Buildings and Grounds

Opening Plan
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Health and Safety is an integral part of Sodexo’s mission to improve Quality of Life. We are committed to provide working conditions and client services that are safe and healthy, and will provide service to allow Hobart and William Smith Colleges to be able to re-open during the 2020 COVID-19 Pandemic. This document includes, but is not limited to, an outline of the processes, procedures, materials and labor that Sodexo will be using during this time.

Note that these procedures will be updated regularly in response to the changing requirements, regulations and policies for COVID-19.

**Definitions:**

**COVID-19** – Coronavirus Disease 2019 caused by SARS-CoV-2 virus

**Cleaning:**
- The removal of residue, food, dirt, grease and other undesirable debris
- Require physical energy (elbow grease), heat and/or chemicals (detergents)
- Only removes dirt for surfaces, does not kill all bacteria

**Sanitizing:**
- Designed to reduce the number of microorganisms to a safe level.
- Unclean surfaces will reduce the effectiveness of sanitizing.
- All surfaces that come into contact with food must be cleaned and sanitize regularly

**Disinfecting**
- Eliminates many or all-pathogenic microorganisms, except bacterial spores. (Typically associated with healthcare.)

**Sterilizing**
- Kills all microorganisms. (Typically associated with healthcare.)
Health and Safety

The virus that causes COVID-19 is thought to spread from person to person, mainly through respiratory droplets produced when an infected person coughs or sneezes. Spread is more likely when people are in close contact with one another (within six (6) feet). People are thought to be more contagious when they are symptomatic. The Center for Disease Control (CDC) recommends symptomatic individuals be isolated until they are better, and no longer pose a risk of infecting others.

To protect our employees, clients and customers, Sodexo has established the following safety measures.

Employee Health Monitoring

All employees are required to follow both Sodexo and Client Employee Health and Safety Monitoring Checklist and monitor their own health prior to starting work each day to verify they do not have COVID-19 symptoms. In addition, employees must determine whether they have had close, prolonged contact (more than 15 minutes1) with someone (such as a household member) in the past 14 days who has these symptoms and/or a COVID-19 diagnosis. COVID-19 Symptoms include:

- Cough
- Shortness of breath or difficulty breathing
- Fever (100.4 °F2)
- Chills
- Muscle Pain
- Sore throat
- Loss of taste or smell

This list does not included all possible symptoms. Other less common symptoms may include gastrointestinal symptoms like nausea, vomiting, or diarrhea. The CDC updates possible symptoms as more information about the virus becomes available.

Employees who: (1) have symptoms of COVID-19 (not due to known causes such as asthma, allergies or chronic sinusitis); (2) are asymptomatic but have been diagnosed with COVID-19; or (3) have had close, prolonged contact (over 15 minute) with someone with COVID-19 symptoms or a COVID-19 diagnosis shall not report to work and must inform management. Manager will follow Sodexo’s established protocol to ensure the safety of other employees and our clients and customers. If employees report to work in these situations, they will be sent home and cannot return to work until they meet the Return to Work policy.

Social Distancing

Social Distancing means keeping a space between yourself and other people outside of your home.

General Guidance

- Staying at least six (6) feet away from other people is the best way to reduce the spread of COVID-19, unless wearing a face covering.
• Do not congregate in workrooms, storage rooms, locker rooms, restrooms, or other areas. When you speak to someone, make sure you do not point your head directly at them.

2. Cdc.gov – C.A.R.E Check and Record Everyday pg. 3 March 11, 2020

• If working in limited spaces, propose solutions to prevent close contact with others, including wearing face coverings, limiting employees performing tasks together, not taking breaks together and organizing teams to reduce unnecessary close interactions.
• Use markings and signs to remind employees to maintain social distancing.

Employee Arrival
• Stagger employees’ arrival and departure times to avoid congregating in parking areas, locker rooms, breakrooms and near time clocks.
• Provide visual cues (e.g. floor markings, signs) as a reminder to employees to maintain social distancing.

Safety Huddles/Training
• Limit huddles and training to be able to maintain six (6) feet social distancing. Consider splitting larger groups into subgroups to facilitate maximum social distancing.

Office areas
• Limit numbers in shared offices; flex and consider alternate scheduling in office spacing.
• Reserve larger spaces or implement measures to hold private meetings with employees while still maintaining social distancing.

Workstations
• Stagger workstations and change body orientation, so that employees are at least six (6) feet apart and not facing each other.
• If workstations cannot be placed for proper social distancing, face coverings will be required.

Floor Markings & Signage
• Use markings and signs to remind employees to practice social distancing in work areas and during breaks.

Non-Contact Transfers
• Use carts, create working zones, or landing spaces.
• Practice “no-contact” transfers: place items down for the next person to pick up, rather than passing back and forth.

Chemical and Supply Storage
• Control access to select individuals to promote social distancing and reduce cross traffic.
• Consider dividing tasks so that one employee may serve as a designated runner between storage and work areas to minimize cross traffic.

Locker/Break Rooms
• Remove and rearrange chairs and tables to increase employee separation. Identify alternative areas to accommodate overflow volume such as conference rooms.
• Re-assign lockers to ensure distancing based on each employee’s group start time.
• Personal items are not allowed in work areas and must be stored in personal lockers.
• Stagger break time to avoid groups of employees during breaks.

Rest rooms
• Post signage to ensure social distancing is maintained at sinks and urinals.

Deliveries and Loading docks
• OSHA recommends minimizing interaction between drivers and employees by leaving deliveries at loading docks, doorsteps, or other locations that do not require person-to-person exposures. If this is not possible, maintain six (6) feet social distance and require drivers to wear face coverings.
• Employees should wear gloves when handling products and practice frequent handwashing.
• Consider installing hand sanitizer station if handwashing sink is not available in the immediate area.
• Drivers will need to sign a tracking log when dropping off deliveries.

Trash Compactors
• If possible, limit staff to no more than two (2). Consider adding PPE such as goggles or face shields to protect employees from splashing liquids, debris, or aerosolized materials.
• Consider installing a hand sanitizer station if handwashing sink is not available in the immediate area.

Personal Protective Equipment
Face Coverings
The wearing of a face covering is voluntary unless mandated by federal or local jurisdictions or client requirements.

Per NYS DOH Guidelines, Individuals must wear a face covering when they are in public areas and any of the following apply:
• Within six (6) feet distance from other individuals. An example would be working as a team to lift while within six (6) feet of each other to do so.
• In a situation or settings where they are unable to maintain six (6) feet of distance from other individuals. An example would be going into an academic building where there could be people within common areas limiting your ability to maintain six (6) feet.
• In a public or private transportation carrier or for-hire vehicle.
• The face covering does not compromise the health and safety of our employees. An example would be employees working in high heat, where the mask can cause breathing issues and increase the risk of heat related illnesses.

3. Sodexo Playbook – Facilities Management
4. NYS DOH Interim Guidance of Executive Order 202.17 and 202.18

• The employee has not presented a note from their medical provider with a health issue prohibiting them to wear a face covering.

Each employee has been provided with a cloth mask to be considered as a part of their uniforms. They are required to keep the masks clean and bring to work with them each day.

If a face covering is unavailable, or a contactor/vendor arrives on campus without one, a disposable mask will be provided. When a disposable mask is moist and/or dirty, they should be disposed of properly and a replacement will be provided.

When working outside, face coverings will need to be worn when social distancing cannot be maintained. Employees must have face coverings with them at all times, so they can be put on when there is need to get closer than six (6) feet to another person.

Gloves
Disposable, moisture impervious non-latex gloves are to be worn when using chemicals or handling waste. Gloves are to be changed and hands washed with soap and water when transitioning from a soiled/dirty area to a clean area.

• Do not wear jewelry that may tear gloves
• Keep fingernails short so that they do not tear gloves
• Change gloves as you leave one area for another to reduce the spread of pathogens.

All other PPE will be worn as required as per our normal safety policy and procedures.

Training
Sodexo will ensure every employee is trained, informed and instructed on the outcomes of the job hazard analysis (JHA) and how to undertake work activities.

All employees will be trained in use of the current chemicals to be used.

All employees will receive, but not be limited to, the following training:
• Proper handwashing
• Face Mask and glove usage
• Risk assessments for entering spaces
• Proper cleaning and disinfecting standard operating procedures and risk assessments

Records will be kept for all employees trained including date of the training, and names and signatures of students who successfully completed training. These records will be maintained for a minimum of 5 years.

See Appendix 1 for Job Hazard Analysis (JHA)

**General**

All employees will be required to follow the safety standards that are required by Federal, State and Local regulations, Hobart and William Smith Colleges and Sodexo.

All Employees will follow Sodexo’s Standard Operating Procedures located in Appendix 2 for the following:

- Hand Washing
- Personal Hygiene
- Social Distancing

All employees will follow and perform the 3 Checks for Safety prior to any task:

- Do I know how to do the job?
- Do I have the right equipment for the job?
- Is my environment safe?

If there is a safety concern, the employee will need to stop the job and talk to a manager.

The list of Chemicals and SDS sheets are located in Appendix 3.

**Schedule Shifts**

Employees’ normal schedules are being shifted so that we are able to better support the Campus Opening Plan and help maintain better social distancing. Current Schedule is located in Appendix 4

**Procedures for Entering Buildings and Grounds**

Due to social distancing standards being put in place and the traffic through our building on a normal day, access to the Buildings and Grounds Department will be limited.

**Signage**
Signage to remind employees, visitors, and guests will be posted in entries, restrooms, and breakrooms within the maintenance building, which will include but not limited to handwashing, PPE, and social distancing. (Appendix 9 Signage)

Signage on protocol for accessing Buildings and Grounds will be posted on the entrances of our buildings.

**Contractor/Visitor Tracking**

Contractors will be provided a tracking sheet to be kept at their work locations. Each of the contract employees will sign in and out on a daily basis to be able to track who was in that location at a given time. When the job is complete or the form is completed, the Contractor will be responsible for turning in the form to Buildings and Grounds. A new one will be given if necessary.

Along with the tracking sheet, each contractor will be given an Employee Health Monitoring Questionnaire for each of the employees to complete daily, prior to beginning work to confirm that they do not have symptoms and have not been exposed to COVID-19.

Visitors coming directly to Buildings and Grounds, will sign in the visitor’s log as required per normal policy, which list the time in and out, and locations that they will be accessing. In addition, the Health Monitoring Questionnaire will need to be completed to confirm that they do not have symptoms and have not been exposed to COVID-19 before they are allowed to go out on Campus.

Both the tracking sheet and questionnaire are attached in Appendix 7.

**Work Order Requests**

All work order requests will need to be either emailed to FACILITIES@hws.edu or called into 315-781-3660. Once we receive a work order, it will be entered into our system and we will have someone contact the requester.

**Access to Buildings and Grounds**

For access to Buildings and Grounds, it is recommended that you call 315-781-3660 ahead to schedule an appointment. All visitors and guests will be required to follow social distancing guidelines.

To assist with the amount of traffic that occurs during the first few weeks of opening, a tent may be placed outside Buildings and Grounds to help manage traffic flow.

**Driving Test**

Driving tests are to be scheduled in advance. When a person arrives for their appointment, they will need to call 315-781-3660 between 8 AM and 5 PM or will need to contact Campus Safety, if
the test is scheduled outside of these hours. The person administering the test will meet the person outside the building to go to the vehicle being used.

Both the Buildings & Grounds Employee and the person taking the test will need to wear masks since social distancing cannot be maintained within the vehicle.

Once the test is complete, the high touch points within the vehicle will need to be disinfected by the Buildings and Grounds employee to ensure disinfected prior to the next use.

Meetings

Due to the nature of our jobs, face to face meetings are a necessity. Meetings will be conducted per New York State recommended policies.

Campus Disinfectant and PPE Distribution

(Collaborating with the Colleges to determine how we will be helping distribute and then determine how we can do this) TBD

B&G proposes to partner with campus building administrators for distribution of disinfecting supplies.

Vehicles

If more than one Buildings and Grounds employee needs to ride in a vehicle, masks will be worn since social distancing is not possible.

If Buildings and Grounds vehicles are driven by more than one employee, the interior will need to be disinfected prior to the switch. At the end of each shift, vehicles will also be disinfected, which includes, but not limited to:

- Steering wheel
- Seat belt and buckle
- Controls
- Door and Door handle
- Mirrors

Tools and Equipment

Any shared tool or piece of equipment that have been in use, will be disinfected and placed back into its storage location ready for the next person to use it.

Quarantine Buildings and Contaminated Areas

Contaminated areas

The building is considered contaminated if there was a suspected or confirmed case of COVID-19 identified within the building when determined by Hobart and William Smith as a possible case.
The building or area that was contaminated will need to sit vacant and undisturbed for a minimum of six (6) days (6 × 24 hours) before Sodexo personnel will be able to enter to clean and disinfect the area.

If contaminated areas need to be entered prior to the end of the waiting period, one of the following approved service providers will be called.

**ServPro** – 585-393-0310, Canandaigua Service Center

**Clean Harbor** – deconservices@cleanharbors.com, 855-487-7221 (Hotline 1-800-645-8265)

**Quarantine Buildings/Areas**

At no time will Sodexo Employees enter a building that is under quarantine with suspected and/or confirmed cases of COVID-19.

If access to areas considered contaminated need to be gained prior to the waiting period, a Sodexo approved vendor will be notified to clean the area, since Sodexo employees are not qualified or trained to complete the task of cleaning a contaminated space.

Once the quarantine area is completely unoccupied:

**IF THERE WAS NO** cased of COVID-19, Sodexo employees may enter the building to compete a thorough cleaning and disinfection per our specifications.

**IF THERE WAS** a confirmed case of COVID-19:

The areas will need to sit vacant and undisturbed for a minimum of six (6) days (6 × 24 hours) before Sodexo personnel will be able to clean and disinfect the area.

If quarantine areas needs to be entered prior to the end of the 7 day waiting period, one of the following approved service providers will be called.

**ServPro** – 585-393-0310, Canandaigua Service Center

**Clean Harbor** – deconservices@cleanharbors.com, 855-487-7221 (Hotline 1-800-645-8265)

**Housekeeping**

Housekeeping will follow Sodexo’s Standard Operating Procedures, located in Appendix 2, for the following:

- Preventative Cleaning and Disinfection for Infectious Disease Control (starting on Day 7)
- Seven Step Cleaning Process
- Damp Wiping For Frequently Touched Surfaces
- Waste Collection
• Disinfection using a sprayer

Housekeepers will keep a cleaning and disinfecting log to contain the date, time and locations of cleaning/disinfecting, and initials of employee. Employees will be able to check boxes for cleaning and for disinfecting. Logs will be taped to the back of each housekeeping closet door. This will reduce the likely hood of the log getting lost and all employees will know where to locate it. When log is complete, it will be returned to the Buildings and Grounds office and a new one can be picked up to replace it. (Appendix 7)

Trades and Grounds

Deliveries: While making deliveries, limit being in close contact with individuals by maintaining 6 ft. of physical distance. Transfers will be contactless whenever possible, put delivery down instead of hand it to someone.

Management

Managers will continue to perform periodic quality checks and Safety Walks to ensure employees are following the new safety procedures.

Managers will ensure all employees are trained in the new safety policies and procedures.

Step 1: Opening (Office and Lab spaces by June 15th)

Buildings and Grounds is preparing for the opening of sixteen (16) Administrative Buildings on June 15, 2020. Step 1 contains what needs to be complete prior to opening and the plan in place to maintain the buildings once they are open. The following are the buildings that will be opened during this step:

• Residential Education
• Smith Hall
• Stern Hall
• Bristol Gym
• Winn-Seeley
• Scandling
• Williams Hall
• Coxe Hall
• Gulick Hall
• Demarest Hall
• Admissions
• Napier / Rosenberg Hall
• Eaton Hall
• 20 Seneca Street
• Library
• Trinity
**Building and Mechanical trades**

Building and Mechanical Trades will be installing hand sanitizer in all entries and other locations that have been identified within the academic and administrative buildings on campus to be able to open offices.

Building and Mechanical Trades will also install the required signage to be posted within all administrative buildings. Temporary social distancing signage and markers in public space will be installed until permanent signage is delivered. Per Hobart and William Smith Return to Campus Guide for Employees, employees who do not have individual office spaces will be provide tape to mark six (6) feet around their workspaces in support of social distancing.

Once open, Trades personnel will be accessing office spaces for requested work orders and preventative maintenance work orders. When required, Buildings and Grounds will coordinate with the occupant according to our normal procedures.

Buildings and Grounds will have a supply of COVID barriers to be used as determined by the Colleges.

**Housekeeping**

During cleaning and disinfection cycles, hand sanitizer stations will be checked daily to make sure they are functioning properly and refilled as necessary. (Appendix 8 – Location drawings)

Offices that are in use will be put on a twice a week cleaning and disinfecting schedule. Any other disinfecting and cleaning will need to be self-performed. Housekeeping will be responsible for disinfecting:

- Door knobs
- Light switches
- Trash/Recycle receptacles

Housekeeping does not disinfect:

- Computers, keyboards, printers, copiers, telephones, or any other electronics
- Desks, file cabinets, shelving, partitions, chair or any other furniture
- Any personal items

Rest rooms, Common rooms, Hallways, Kitchen/Breakrooms and Stairwells will receive a daily clean and disinfecting as part of our normal cleaning cycle. One (1) additional disinfection will take place daily.

Housekeeping will disinfect:

- Door and door knobs
- Handrails
- Elevator controls
- Light switches
• Countertops/table tops that are free of clutter
• Trash/recycling receptacles
• Faucets and sinks
• Toilet seats, flush valves and partition doors
• Paper Tower dispensers
• Microwave handles and controls
• Refrigerator handles

Housekeeping does not disinfect:

• Any electronics
• Personal effects
• Surfaces that are cluttered

Any additional disinfecting will be self-performed as needed by the building occupants. Disinfecting Stations will be placed on each floor to be used for this purpose.

**Scandling Center**

The Scandling Center will receive a daily clean and disinfecting as part of our normal cleaning cycle. A minimum of one (1) additional disinfection will take place daily. Additional disinfections will take place based on building use and schedule.

Disinfection includes:

• Door knobs
• Handrails
• Elevator controls
• Light switches
• Countertops
• Trash/recycling receptacles
• Faucets and sinks
• Toilet seats, flush valves and partition doors
• Paper Tower dispensers

Housekeeping does not disinfect:

• Electronics
• Personal items
• Cluttered Surfaces

**Computer Labs**

Housekeeping with complete a daily cleaning and disinfecting of computer lab spaces.

Disinfection includes:
• Door knobs  
• Light switches  
• Trash/Recycle receptacles

Housekeeping does not disinfect:
• Electronics  
• Furniture

Computer labs will have a disinfecting station so that occupants can disinfect as needed between uses.

Science Labs

Housekeeping will continue their current procedure of a once a day cleaning with water only. Due to safety concerns with possible mixing of unknown chemicals, labs will need to be disinfected by personnel in charge of the lab spaces.

Athletic Facilities

Offices, Common areas, Restrooms, Hallways and Stairwells will be opened, and be cleaned and disinfected as stated above. All other athletic spaces are to remain closed per the NYS Phase opening schedule and will be included in Step 2: Pre-Opening Plan and Step 3: Opening and Operation of Campus.

Step 2: Pre-Opening (Through August 23rd)

Construction

Summer construction projects will be scheduled in locations around campus throughout the summer as spaces become available. Project management will work closely with Residential Education, building occupants and Facilities Management to enter the spaces to be completed.

Building and Mechanical trades

Due to some buildings that have been closed but still in use, the Mechanical Trades Department will be flushing the buildings’ water supply systems. (See procedure in Appendix 5)

HVAC practices and procedures are being evaluated according to guidance from NYS, CDC, and ASHRAE. (See procedure in Appendix 6)

Building trades will continue installing hand sanitizer in locations that have been identified, such as entries, hallways dining areas. Disinfecting stations will be installed in locations that have been identified, such as classrooms, and common areas.

In addition, Trades personal will continue to install posters, and signage in locations identified by Hobart and William Smith Colleges.
Residential Building

Trades personnel will complete any repairs necessary to get rooms ready for student occupancy, including but not limited to:

- Light bulb replacement
- Roller Shade Replacement
- Wall Repair and touch up paint

Academic Buildings:

Trades personal or a local contractor will also put markers in classroom to identify where chairs are to be located.

Grounds Department

The Grounds Department will continue to work to maintain our landscaping and campus exteriors to our high standards.

Residential Building

The Grounds Department will be responsible for final set up of all bedroom furniture. This will be done through either on-site team or hiring movers.

Academic Buildings

The Grounds Department will be responsible to move office and common space furniture as necessary either using on-site personnel or hiring movers.

The Buildings and Grounds Department will also be responsible for classroom furniture relocations to take place as part of the set up for COVID-19 social distancing, which may be completed by either on-site personnel or by hiring movers.

Housekeeping Department

Housekeeping will be the most critical department to make sure we can open this fall. They will be responsible for the cleaning and disinfecting of the majority of spaces within our buildings.

Residential

Before we can open, Housekeeping will clean and disinfect each room, to include but not limited to:

- Furniture
- Walls
- Windows
- Door handles
- Floors
All restrooms within residential location will be cleaned and disinfected as needed during the summer months, while the buildings are closed. Prior to re-open, each restroom will receive a thorough clean and disinfection to ensure the safety of our residents as soon as they move in.

Once all repairs and summer cleaning is complete, Housekeeping will go through each room for a final clean and disinfecting.

Out of State Quarantine for non-suspected and non-confirmed cases.

Cleaning and disinfection will remain the same with the additions of picking up trash outside rooms where students are under a 14 Day Quarantine. Trash will need to be placed outside the door before 10:00 AM for pick up.

**Academic and Administrative Buildings**

Since each building is different, each space will be considered separately.

A disinfection kit will be placed in centralized locations for use as needed. See Appendix 12.

**Classrooms:**

Each classroom will receive a full cleaning and disinfection prior to opening. This will include, but not limited to

- Chalkboards and whiteboards
- Replacement of chalk, whiteboard markers and erasers
- Clean and disinfect all chairs, tables and teaching stations
- Disinfect high touch areas, such as door knobs, light switches, blind/curtain cords and trash/recycling receptacles.

A disinfection kit will be placed in all classrooms to be used between classes and as needed. See Appendix 12.

**Athletics Facilities**

**Locker Rooms**

Housekeeping will thoroughly clean and disinfect all locker rooms and associated bathrooms/shower rooms before the athletes return to campus.

**Fitness Facilities**

Cleaning and disinfecting will be outlined in Step 3 depending on when these facilities are allowed to re-open and the schedule for use has been obtained.

**Management**
Project management department is working with Marty Corbett, Director of Campus Safety, to lay out all the classroom chair locations, sanitizing stations, disinfecting stations, signage and occupancy within all the AutoCAD campus floor plans.

The classroom layout plan, drawing and photos are located in Appendix 10.

Current classroom seat count for existing classroom:

- Stern 103 – 19
- Stern 201 – 13
- Stern 203 - 15
- Stern 204 - 10
- Stern 301 - 15
- Stern 303 - 15
- Stern 304 – 10
- Demarest 02 – 8
- Demarest 14 – 24
- Demarest 117A – 15
- Demarest 117B – 15
- Blackwell Room – 8
- Gulick 100 – 18
- Gulick 2000 – 19
- Gulick 2001 – 15
- Gulick 2002 (Computer Lab) – 17
- Gulick 2003 – 8
- Gulick 223 – 9
- Eaton 110 – 16
- Eaton 111 – 12
- Rees 1st Floor Classroom – 12
- Merritt 100 – 12
- 22 Castle Street 2nd floor – 20
- Delancey 1 – 6
- Delancey 2 – 6
- Houghton 112 – 16
- Houghton library – 12
- Houghton 212 – 16
- Elliot Studio Arts Classroom – 12
- Trinity 209 - 8
- Trinity 300 – 12
- Smith 212 – 11
- Smith 206 – 12
Smith 305 – 8
Napier 101 – 12
Napier 102 – 6
Napier 201 – 12
Napier 202 – 6
Emerson 01 – 15
Emerson 03 – 16
Williams 201 - 15

Proposed Classroom Spaces and seat counts
  Vandervort room 2/3 – 49
  Vandervort room 1/3 – 40
  Seneca Room (603 S. Main) – 15
  Bartlett Theater – 48
  Fisher Center – 20
  10 College Ave – 8
  Barn 1st floor – 35
  Barn 2nd floor – 31
  Hirshson Ballroom – 24
  Emerson lounge – 16
  Winn-Seeley Dance Studio – 33
  Williams 200 – 23
  Common Room – 30 tablet arm or use for dining during peak time and use dining tables for a classroom of 36 seats

Project Manager is also working with Dave McCandless, General Manager of Dining Services, on dining layout options in locations around campus. Appendix 11 contains the current options and will be updated as they change.

Residential Buildings: Managers will complete a final inspection of all rooms. Once inspection is complete, the manager will place a card on each bed stating:

  “Welcome to Hobart and William Smith Colleges. Your room has been inspected for completion of set up and final cleaning/disinfection as of Date. We hope you enjoy your stay with us. Buildings and Grounds Department”

Once card is placed, the bedroom door will be locked and a sticker will be placed over the keyhole to alert that the room is ready to be occupied. The door is not to be open by any Buildings and Grounds personnel, unless extreme circumstances and with management approval.
If for some reason the room needs to be opened again before the student moves in, the room will be re-cleaned and disinfected with management re-inspecting following the above procedure.

**Step 3: Opening and Operation of Campus (August 24th)**

**Trades and Grounds**
Mechanical Trades, Building Trades and Grounds employees will enter buildings to address work orders that are called in and as part of our normal preventative maintenance schedule. When required, Buildings and Grounds will coordinate with the occupant according to our normal procedures.

Employees will be required to wear a face covering and practice social distancing. Prior to leaving a work location or once work is complete, the work area will be disinfected by the employee.

**Housekeeping**

**Residential Buildings**

All resident halls and small houses will receive a normal daily cleaning with disinfecting.

The larger resident halls will receive a second disinfection during the day as scheduled. This will included the following buildings:

- Caird
- deCordova
- Emerson
- Jackson
- Potter
- Rees
- Hale
- Bartlett
- Durfee Hall
- Hirshson
- Miller
- Blackwell
- Comstock
- 775 S. Main
- 737 S. Main
- Sherrill
- Geneva
Two exceptions due to the set up within the residence. The first exception will be the 1st and 2nd floor of Comstock. Since bathrooms are located and shared between two dorm rooms, bathrooms will continue to receive a weekly cleaning and disinfecting scheduled through the RA. The students who use the bathrooms will be provided disinfectant so they can disinfect as they feel they need to.

The second exception is that Odells will be cleaned and disinfected by the residents per our normal cleaning process.

**Admin and Academic Building**

**Offices, Common Areas and Restrooms**

Cleaning service will remain the same for buildings that were opened during the June 15th opening.

**Classrooms**

Classrooms will receive a daily cleaning and disinfection. A disinfection station will be provided in each classroom to allow students, faculty and staff to disinfect seats between class times as shown in Appendix 12.

Housekeeping will be responsible for disinfecting:

- Door knobs
- Light switches
- Trash/Recycle receptacles
- Classroom Furniture

Housekeeping will not be disinfecting:

- Computers, keyboards, or any other electronics
- Desks, file cabinets, shelving
- Any personal items

**Library**

The library will receive a daily clean and disinfecting as part of our normal cleaning cycle. A minimum of one (1) additional disinfection will take place daily. Additional disinfections will take place based on building use and schedule.

Disinfection to include:

- Door and door knobs
- Handrails
- Elevator controls
- Light switches
• Trash/recycling receptacles
• Faucets and sinks
• Toilet seats, flush valves and partition doors
• Paper Tower dispensers

Offices, workstations, Help Desk, Circulation Desk, and Archives will be cleaned as offices per Step 1 June 15th Opening and will need to be disinfected by occupant as needed.

Disinfection stations will also be placed around the library for staff and users to disinfect table, chairs, countertops, electronics, library equipment, such as carts, and other areas as needed. See Appendix 12.

**Athletic Facilities**

**Locker Rooms**

Locker Rooms and associated rest/shower rooms will receive a daily clean and disinfecting as part of our normal cleaning cycle. Disinfecting stations will be placed so that users of the space can disinfect as needed.

Housekeeping will not disinfect:

- Any Electronics
- Surfaces cluttered with items
- Lockers
- Personal items
- Equipment

**Fitness Centers**

Fitness rooms will receive a daily cleaning and disinfecting to included floors and high touch points. All fitness equipment will need to either be disinfected by the user or the staff working within these spaces.

**Gyms**

**Press Boxes**

**Fields**

**Bleachers**
Appendix 1

Job Hazard Analysis
Job Hazard Analysis

1. Preventative Disinfecting for COVID-19
2. Preventative Disinfecting using a Disinfecting Sprayer (Draft)
3. Work Orders for Student Rooms (To be added)
## JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

### INSTRUCTIONS:
Complete each section in its entirety. Any questions regarding all topics, definitions, and controls shall be directed to the Regional Safety Manager. **ALWAYS REMEMBER THE FOLLOWING:**

1. Empower each person to understand that they have the right and responsibility to stop any unsafe work activity without consequence!
2. Ensure that incident reports are available to everyone to document any behaviors or conditions relevant to the task at hand.
3. Report all incidents and injuries to the Sodexo claims reporting Hotline at (888) 872-5676

### JHA Identification:

**WORK PLAN:** Complete the following section in order to understand the work task to be performed and its basic requirements.

**DESCRIPTION OF WORK TO BE PERFORMED:** Preventative Disinfection for COVID-19

**WORK LOCATION:** Hobart and William Smith Campus

**DATE & TIME / DURATION**

March 16 until threat of contamination is no longer

**SUPERVISOR(S):** Housekeeping Managers

**SKILL / LABOR / CERTIFICATIONS REQUIRED:**

- PPE, Preventative Disinfection Cleaning, Hazardous Communication, Slip/Trips/Falls, Proper Cleaning
- EPA approved Disinfectant and other cleaning chemicals
- PPE, Cleaning Equipment, including EPA approved Disinfectant

**TOOLS & EQUIPMENT REQUIREMENTS:**

- Hobart and William Smith Campus
- Preventative Disinfection for COVID-19

**CHEMICAL OR MSDS REQUIREMENTS:**

- EPA approved Disinfectant and other cleaning chemicals
- PPE, Cleaning Equipment, including EPA approved Disinfectant

**TRAINING REQUIREMENTS:**

- PPE, Preventative Disinfection Cleaning, Hazardous Communication, Slip/Trips/Falls, Proper Cleaning
- EPA approved Disinfectant and other cleaning chemicals

**SODEXO SAFETY PROCEDURE REFERENCE(S) / AVAILABLE:**

### PRE-WORK HAZARD ASSESSMENT

- **HAZARDOUS CHEMICAL EXPOSURE**
  - INSECTS / ANIMALS / PLANTS
  - NOISE
  - MACHINERY / GUARDING
  - HIGH PRESSURE WASHERS
  - SLIPPERY SURFACES
  - HAZARDOUS WASTE COLLECTION
  - PERSONNEL TRANSFERS
  - HAZARDOUS WASTE SHIPMENT / DISPOSAL
  - LOW ILLUMINATION
  - PROJECTILES / DUST
  - UNIVERSAL WASTE

- **BIOLOGICAL EXPOSURE**
  - VIRAL / BACTERIAL
  - INOCULATION / EYES & SKIN
  - MANUAL MATERIAL HANDLING
  - INCLUSION WEATHER
  - LADDERS / SCAFFOLDING / AERIAL LIFTS
  - CATCH / PINCH / STRIKE POINTS
  - ERGONOMIC EXPOSURE
  - PHARMACEUTICAL WASTE

- **PHYSICAL EXPOSURE**
  - WORK / WELDING / CUTTING / BURNING
  - HIGH TEMP MATERIALS / SURFACES
  - ELECTROTHERM (110 V OR LESS)
  - REPETITIVE MOTION
  - SPILLS / DISCHARGES
  - FALLS FROM HEIGHTS / SAME LEVEL
  - TRAFFIC / DRIVING
  - PUSHING / PULLING

- **UTILITIES**
  - X SITE SECURITY / WORKPLACE VIOLENCE
  - CONVEYOR BELTS
  - ENVIRONMENTAL EXPOSURE

- **OTHER**
  - FALLS FROM HEIGHTS / SAME LEVEL
  - TRAFFIC / DRIVING
  - PUSHING / PULLING

### REQUIRED SAFETY EQUIPMENT AND CONTROLS

- **ENGINEERING CONTROLS**
  - MACHINERY GUARDS
  - TRAING / CERTIFIED FOR TASK
  - FIRE WATCH
  - PROPER TOOLS / EQUIPMENT
  - FRATED MATERIALS / SURFACES
  - ELECTROCUTY (110 V OR LESS)
  - BODY STRAIN / POSITIONING
  - OTHER

- **ADMINISTRATIVE CONTROLS**
  - QUALIFIED FOR TASK
  - HAZARD WARNING SIGNS
  - SAFETY SIGNS
  - FRATED MATERIALS / SURFACES
  - ELECTROCUTY (110 V OR LESS)
  - BODY STRAIN / POSITIONING
  - OTHER

- **PPE**
  - HARD HAT
  - ELECTRICAL INSULATED FOOTWEAR
  - CONTINGENCY PLANNING

- **OTHER**
  - MACHINERY GUARDS
  - FIRE WATCH
  - SAFETY SIGNS
  - FRATED MATERIALS / SURFACES
  - ELECTROCUTY (110 V OR LESS)
  - BODY STRAIN / POSITIONING
  - OTHER

H:/ SAFETY/ Policies and Procedures/EHS074 Risk Assessment/Job Risk Assessments

Page 1 of 6
**JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET**

**JOB SAFETY ANALYSIS**: Complete this section in order to identify each activity, its hazards, controls and person accountable for ensuring safe activities.

<table>
<thead>
<tr>
<th>SEQUENCE OF ACTIVITIES ¹</th>
<th>POTENTIAL HAZARD(S) ²</th>
<th>RECOMMENDED SAFE PROCEDURE(S) ³</th>
<th>ACCOUNTABLE PARTY(IES) ⁴</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determine if Reactive or Preventive cleaning</td>
<td>Exposure to Coronavirus</td>
<td>1. If determined Reactive (Contaminated due to person with suspected or confirmed COVID-19 having been in area) Sodexo employees will not be cleaning, unless area has been unoccupied and undisturbed more than 7 days (7 × 24 hours) If needed prior to the 7 day window, a specially trained contractor will be called to disinfect the area.</td>
<td>Managers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. If determined that the area had no known cases or was vacant and undisturbed for 7 days (7 days × 24 hours), follow the standard operation procedures for Preventative Disinfection. Note: Coronavirus has been found to have a 3 to 4 day life span on solid surface, 7 days gives a buffer of a few days to make sure the virus has been eliminated.</td>
<td></td>
</tr>
</tbody>
</table>
### JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

| Before work begins | Exposure to Coronavirus | Review the Sodexo Standard Operating Procedures (SOPs) listed:  
- Sodexo Standard Cart Set Up  
- Seven Steps Cleaning Process  
- Damp Wiping for Frequently Touched Surfaces  
- Waste Collection System  
- Handwashing | Manager |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Chemical Hazard; Exposure to Coronavirus</td>
<td>All employees will be trained in use and hazards of using the EPA approved disinfectants that will be added to their cleaning routine, proper Preventive Disinfection, PPE requirements, proper hand cleaning</td>
<td>Managers</td>
</tr>
</tbody>
</table>
|                   | Exposure to Coronavirus, Injury due to improper tools or equipment, including PPE, trips, slips and fall hazards, chemical exposure hazards, cuts | Check to make sure all equipment and PPE are safe to use before starting a task  
Visually inspect the work area to ensure it is safe  
If there are any hazards, that you are not trained to handle, call your supervisor  
Set up any hazardous warning signs needed | Employees |
| Wash hands        | Exposure and transfer of Coronavirus | Wash hand properly prior to beginning work and immediately after taking off gloves | Employee |
## JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

<table>
<thead>
<tr>
<th>PPE</th>
<th>Exposure and transfer of Coronavirus</th>
<th>Gloves:</th>
</tr>
</thead>
</table>
|     |                                     | - Disposable, moisture impervious, non-latex gloves should be worn at all times while cleaning.  
|     |                                     | - Glove should be removed, hands washed and new gloves put on when ever going to a new area or gloves are dirty.  
|     |                                     | - Any Jewelry that has the potential to tear gloves, such as sharped edges rings, should not be worn. |
| Safety Glasses:  
|     |                                     | - Safety Glasses should be worn at all times while cleaning to prevent accidental contamination through eyes.  
|     |                                     | - Goggles should be warn for spray disinfectants to prevent the mist from getting into eyes |
| Cleaning | Exposure to Coronavirus | Clean surfaces prior to disinfecting.  
|     |                                     | - Clean surfaces per our current standards.  
|     |                                     | - Cleaning must be complete prior to disinfecting.  
|     |                                     | - Use disposable cleaning cloths and change frequently to prevent transferring soil from one surface to another.  
|     |                                     | - Surface is considered clean when no soil is visible.  
|     |                                     | - If cleaning with microfiber clothes, collect in a plastic back and tie shut before moving from the area. Remove to be laundered at 194 °F |

**Employee**
### JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

<table>
<thead>
<tr>
<th>Task</th>
<th>Exposure to Coronavirus</th>
<th>Description</th>
<th>Accountable Party</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disinfecting</td>
<td></td>
<td>Apply disinfectant according to the EPA Master label instruction for the product.</td>
<td>Employee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Each disinfectant has a specific instruction for required process and wet contact time. You may have to apply disinfectant again if surface dries before proper contact time.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>After required time, surface can be air dried or polished with a clean dry disposable paper towel.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>If surface appears streaky, a water dampened, clean paper towel can be used to remove streaking.</td>
<td></td>
</tr>
<tr>
<td>Cleaning Soft Surfaces</td>
<td></td>
<td>Remove visible contamination if present and clean with appropriate cleaners indicated for the use on these surfaces</td>
<td>Employee</td>
</tr>
<tr>
<td>Waste Handling</td>
<td></td>
<td>Always wear disposable moisture impervious non-latex gloves when handling waste.</td>
<td>Employee</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Place waste carefully into appropriately lined waste containers.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clean and disinfect waste containers</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Remove gloves and place in trash bag.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wash hands thoroughly with soap and water for at least 20 seconds and dry thoroughly using a disposable paper towel.</td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Sequence of Activities: Tasks required to complete work
\(^2\) Potential Hazards: Inhalation, eye injury, trauma, foot injury, hand injury, head protection, fire, electrical shock, etc.
\(^3\) Recommended Safe Procedures: Procedures required to complete work safely
\(^4\) Accountable Party(ies): Person(s) responsible for supervising & completing work safely
ACKNOWLEDGEMENT / CONCURRENCE: All personnel engaged in the assigned job activity shall acknowledge that a JHA meeting has been conducted, its objectives and plan clearly stated, and is understood.

<table>
<thead>
<tr>
<th>NAME, SIGNATURE AND DATE</th>
<th>NAME, SIGNATURE AND DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>9.</td>
</tr>
<tr>
<td>2.</td>
<td>10.</td>
</tr>
<tr>
<td>3.</td>
<td>11.</td>
</tr>
<tr>
<td>4.</td>
<td>12.</td>
</tr>
<tr>
<td>5.</td>
<td>13.</td>
</tr>
<tr>
<td>7.</td>
<td>15.</td>
</tr>
</tbody>
</table>
JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

INSTRUCTIONS: Complete each section in its entirety. Any questions regarding all topics, definitions, and controls shall be directed to the Regional Safety Manager. ALWAYS REMEMBER THE FOLLOWING:
1. Empower each person to understand that they have the right and responsibility to stop any unsafe work activity without consequence!
2. Ensure that incident reports are available to everyone to document any behaviors or conditions relevant to the task at hand.
3. Report all incidents and injuries to the Sodexo claims reporting Hotline at (888) 872-5676

JHA Identification:
WORK PLAN- Complete the following section in order to understand the work task to be performed and its basic requirements.

DESCRIPTION OF WORK TO BE PERFORMED: Preventative Disinfection – Use of a Disinfectant Sprayer (Draft – need Owner’s manual to finish)

WORK LOCATION: Hobart and William Smith Campus
DATE & TIME / DURATION During COVID-19 Opening
SUPERVISOR(S): Housekeeping Managers
SKILL / LABOR / CERTIFICATIONS REQUIRED: PPE, Cleaning Equipment, including EPA approved Disinfectant
CHEMICAL OR MSDS REQUIREMENTS: EPA approved Disinfectant and other cleaning chemicals
TRAINING REQUIREMENTS: PPE, Preventative Disinfection Cleaning, Hazardous Communication, Slip/Trips/Falls, Proper Cleaning; Use of Sprayer

SODEXO SAFETY PROCEDURE REFERENCE(S) / AVAILABLE: None

PRE-WORK HAZARD ASSESSMENT- Identify each hazard that could cause injury or incident when the task is performed. (check all that apply)

<table>
<thead>
<tr>
<th>HAZARDOUS CHEMICAL EXPOSURE</th>
<th>BIOLOGICAL EXPOSURE</th>
<th>PHYSICAL EXPOSURE</th>
<th>UTILITIES</th>
<th>SITE SECURITY / WORKPLACE VIOLENCE</th>
<th>CONVEYOR BELTS</th>
<th>ENVIRONMENTAL EXPOSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABLE / COMBUSTIBLE</td>
<td>INSECTS / ANIMALS / PLANTS</td>
<td>NOISE</td>
<td>MACHINERY / GUARDING</td>
<td>X</td>
<td>SPILL / LEAKAGE</td>
<td></td>
</tr>
<tr>
<td>CORROSIVE / OXIDIZER / REACTIVE / TOXIC</td>
<td>MOLD / FUNGUS</td>
<td>HEAT / COLD / TEMPERATURE</td>
<td>POWERED INDUSTRIAL VEHICLES</td>
<td>X</td>
<td>ELECTRICITY</td>
<td></td>
</tr>
<tr>
<td>INHALATION / EYES &amp; SKIN</td>
<td>X VIRAL / BACTERIAL</td>
<td>INCLEMENT WEATHER</td>
<td>MANUAL MATERIAL HANDLING</td>
<td>X</td>
<td>LOW ILLUMINATION</td>
<td></td>
</tr>
<tr>
<td>PESTICIDES</td>
<td>RADIOLOGICAL EXPOSURE</td>
<td>HOT WORK / WELDING / CUTTING / BURNING</td>
<td>LADDERS / SCAFFOLDING / AERIAL LIFTS</td>
<td>X</td>
<td>CATCH / PINCH / STRIKE POINTS</td>
<td></td>
</tr>
<tr>
<td>ASBESTOS / LEAD / CARCINOGENS</td>
<td>X NON - RADIATING RADIATION (UV, SUNLIGHT)</td>
<td>X HIGH TEMP MATERIALS / SURFACES</td>
<td>ELECTROCITY (110 V OR LESS)</td>
<td>X</td>
<td>REPETITIVE MOTION</td>
<td></td>
</tr>
<tr>
<td>PAINT</td>
<td>X X RADIATION (GAMMA, X-RAY)</td>
<td>STORED HAZARDOUS ENERGY - LOTO</td>
<td>ELECTROCITY (110 V OR MORE)</td>
<td>X</td>
<td>OTHER</td>
<td></td>
</tr>
<tr>
<td>OTHER</td>
<td>OTHER</td>
<td>X FALLS FROM HEIGHTS / SAME LEVEL</td>
<td>TRAFFIC / DRIVING</td>
<td>GFCI REQUIRED</td>
<td>XX PUSHING / PULLING</td>
<td></td>
</tr>
</tbody>
</table>

REQUIRED SAFETY EQUIPMENT AND CONTROLS- Identify the appropriate measures taken to reduce or eliminate the risk of injury or incident when performing the task. (check all that apply)

<table>
<thead>
<tr>
<th>ENGINEERING CONTROLS</th>
<th>ADMINISTRATIVE CONTROLS</th>
<th>X MATERIAL SAFETY DATA SHEETS (MSDS)</th>
<th>PPE</th>
<th>HARD HAT</th>
<th>ELECTRICAL INSULATED FOOTWEAR</th>
<th>CONTINGENCY PLANNING</th>
</tr>
</thead>
<tbody>
<tr>
<td>GUARD RAILS</td>
<td>QUALIFIED FOR TASK</td>
<td>X HAZARD WARNING SIGNS</td>
<td>FILTERING FACEPEICE RESPIRATOR-DUST MASK</td>
<td>EAR PLUGS</td>
<td>BOOT COVERS</td>
<td>EMERGENCY / EVACUATION PLANS</td>
</tr>
<tr>
<td>MACHINE GUARDS</td>
<td>TRAINED / CERTIFIED FOR TASK</td>
<td>FIRE WATCH</td>
<td>ELASTOMERIC FACEPEICE</td>
<td>EAR MUFFS</td>
<td>CUT-RESISTANT GLOVES</td>
<td>EYEWASH / SHOWER</td>
</tr>
<tr>
<td>SOUND BARRIERS / BARRIERS</td>
<td>X WORK PLAN</td>
<td>X PROPER TOOLS / EQUIPMENT</td>
<td>FR RATED CLOTHING</td>
<td>X SAFETY GLASSES W/ SIDE SHIELDS</td>
<td>MATERIAL-HANDLING GLOVES</td>
<td>X FIRST AID KIT / AED</td>
</tr>
<tr>
<td>ENCLOSURE / ISOLATION</td>
<td>HOT WORK PERMIT</td>
<td>X COMMUNICATIONS</td>
<td>TYVEK OR SARANEX COVERS</td>
<td>X CHEMICAL GOGGLES</td>
<td>NITRILE GLOVES</td>
<td>FIRE EXTINGUISHERS</td>
</tr>
<tr>
<td>FIRE EXTINGUISHERS / SYSTEMS</td>
<td>X X X PROPER LIFTING TECHNIQUES</td>
<td>CHEMICAL APRON</td>
<td>FACE SHIELD</td>
<td>FOOD HANDLING GLOVES</td>
<td>SPILL CONTAINMENT</td>
<td></td>
</tr>
<tr>
<td>ANTI SKID / ERGONOMIC MATING</td>
<td>LOOKOUT / TAGOUT</td>
<td>X TRAINING PROGRAM</td>
<td>WELDING SHIELD / MASK &amp; LEATHERS</td>
<td>STEEL-TOE BOOTS</td>
<td>PERSONAL FALL ARREST SYSTEM</td>
<td>SEVERE WEATHER SHELTER</td>
</tr>
<tr>
<td>ANTI SKID / ERGONOMIC MATING</td>
<td>EQUIPMENT INSPECTION SHEETS</td>
<td>OTHER</td>
<td>SUNBLOCK / SUNHAT</td>
<td>X SLIP-RESISTANT SHOES</td>
<td>ARCFLASH PROTECTION KIT</td>
<td>X PANDEMIC PLAN</td>
</tr>
</tbody>
</table>

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**JOB SAFETY ANALYSIS**

Complete this section in order to identify each activity, its hazards, controls and person accountable for ensuring safe activities.

<table>
<thead>
<tr>
<th>SEQUENCE OF ACTIVITIES</th>
<th>POTENTIAL HAZARD(S)</th>
<th>RECOMMENDED SAFE PROCEDURE(S)</th>
<th>ACCOUNTABLE PARTY(IES)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Determine if Reactive or Preventive cleaning</td>
<td>Exposure to Coronavirus</td>
<td>1. If determined Reactive (Contaminated due to person with suspected or confirmed COVID-19 having been in area) Sodexo employees will not be cleaning, unless area has been unoccupied and undisturbed more than 7 days (7 × 24 hours) If needed prior to the 7 day window, a specially trained contractor will be called to disinfect the area.</td>
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<td>2. If determined that the area had no known cases or was vacant and undisturbed for 7 days (7 days × 24 hours), follow the standard operation procedures for Preventative Disinfection. Note: Coronavirus has been found to have a 3 to 4 day life span on solid surface, 7 days gives a buffer of a few days to make sure the virus has been eliminated.</td>
<td></td>
</tr>
</tbody>
</table>
### JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

| Before work begins | Exposure to Coronavirus | Review the Sodexo Standard Operating Procedures (SOPs) listed:  
|                    |                         | - Sodexo Standard Cart Set Up  
|                    |                         | - Seven Steps Cleaning Process  
|                    |                         | - Damp Wiping for Frequently Touched Surfaces  
|                    |                         | - Waste Collection System  
|                    |                         | - Handwashing  
|                    |                          | **Manager**  
| Chemical Hazard; Exposure to Coronavirus | All employees will be trained in use and hazards of using the EPA approved disinfectants that will be added to their cleaning routine, proper Preventive Disinfection, PPE requirements, proper hand cleaning | **Managers**  
| Exposure to Coronavirus, Injury due to improper tools or equipment, including PPE, trips, slips and fall hazards, chemical exposure hazards, cuts | Check to make sure all equipment and PPE are safe to use before starting a task  
| | Visually inspect the work area to ensure it is safe  
| | If there are any hazards, that you are not trained to handle, call your supervisor  
| | Set up any hazardous warning signs needed  
| | **Employees**  
| Wash hands | Exposure and transfer of Coronavirus | Wash hand properly prior to beginning work and immediately after taking off gloves  
| | **Employee**  

---

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Page 3 of 5
<table>
<thead>
<tr>
<th>PPE</th>
<th>Exposure and transfer of Coronavirus</th>
<th>Gloves:</th>
<th>Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• Disposable, moisture impervious, non-latex gloves should be worn at all times while cleaning.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Glove should be removed, hands washed and new gloves put on when ever going to a new area or gloves are dirty.</td>
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<td>• Any Jewelry that has the potential to tear gloves, such as sharped edges rings, should not be worn.</td>
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<tr>
<td></td>
<td></td>
<td>Safety Glasses:</td>
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<td></td>
<td>• Safety Glasses should be worn at all times while cleaning to prevent accidental contamination through eyes.</td>
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</tr>
<tr>
<td></td>
<td></td>
<td>• Goggles should be warn for spray disinfectants to prevent the mist from getting into eyes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cleaning</th>
<th>Exposure to Coronavirus</th>
<th>Clean surfaces prior to disinfecting.</th>
<th>Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• Clean surfaces per our current standards.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Cleaning must be complete prior to disinfecting.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Use disposable cleaning cloths and change frequently to prevent transferring soil from one surface to another.</td>
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<td></td>
<td></td>
<td>• Surface is considered clean when no soil is visible.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• If cleaning with microfiber clothes, collect in a plastic back and tie shut before moving from the area. Remove to be laundered at 194 °F</td>
<td></td>
</tr>
</tbody>
</table>
### JOB HAZARD ANALYSIS (J.H.A.) WORKSHEET

<table>
<thead>
<tr>
<th>Disinfecting</th>
<th>Exposure to Coronavirus</th>
<th>Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Apply disinfectant according to the EPA Master label instruction for the product.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Each disinfectant has a specific instruction for required process and wet contact time. You may have to apply disinfectant again if surface dries before proper contact time.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>After required time, surface can be air dried or polished with a clean dry disposable paper towel.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>If surface appears streaky, a water dampened, clean paper towel can be used to remove streaking.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Use of Sprayer</th>
<th>Exposure to Coronavirus; chemical exposure</th>
<th>Employee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TBD – waiting on sprayer delivery for directions on use</td>
<td></td>
</tr>
</tbody>
</table>

**1.** Sequence of Activities: Tasks required to complete work

**2.** Potential Hazards: Inhalation, eye injury, trauma, foot injury, hand injury, head protection, fire, electrical shock, etc.

**3.** Recommended Safe Procedures: Procedures required to complete work safely

**4.** Accountable Party(ies): Person(s) responsible for supervising & completing work safely

**ACKNOWLEDGEMENT / CONCURRENCE:** All personnel engaged in the assigned job activity shall acknowledge that a JHA meeting has been conducted, its objectives and plan clearly stated, and is understood.

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Appendix 2

Standard Operating Procedures
Standard Operating Procedures

1. Hand Washing
2. Personal Hygiene
3. Social Distancing
4. Preventative Cleaning and Disinfecting
5. Sodexo Seven Step Cleaning
6. Damp Wiping for Frequently Touched Surfaces
7. Waste Collection
8. Disinfecting with a Sprayer
# Hand Washing

## Purpose:

This Standard Operating Procedure (SOP) explains the Sodexo Handwashing technique.

## Health and Safety:

1. Wash your hands:
   - Before beginning and ending of your shift
   - Before and after eating
   - After smoking
   - After using the restroom
   - After handling waste materials
   - After completing each different phases of your work assignment
2. Ensure the 3 checks for safety have been performed before starting the task:
   - Do I know how to do the job?
   - Do I have the right equipment of the job?
   - Is my environment safe?

## Before Starting:

1. Washing your hands and wearing protective gloves are mandatory. Gloves help protect the skin from chemicals and reduce the risk of transmission of infection.
2. To safeguard yourself and others, it is important to develop the habit of frequent hand washing.

## Equipment and Materials:

1. Hand soap, preferably concentrated and/or ecologically certified, where available, diluted according to manufacturer’s recommendations.
2. Drying supplies

## Procedure:

1. Follow the World Health Organization method:
   - Duration of the procedure: 40 to 60 seconds
   - Wet hands with water
• Apply enough soap to cover all hand surfaces.
• Palm to palm
• Back of fingers to opposing palm with fingers interlaced.
• Rotational rubbing of left thumb clasped over right palm and vice versa.
• Rotational rubbing backwards and forwards with clasped fingers of right hand in left palm and vice versa.
• Rinse hands with water.
• Dry hands thoroughly with single-use paper towel.
• Use towel to turn off faucet.
• Hands are now clean.
• Always make sure hands are dry before donning gloves and/or before beginning next task.

How to Handwash?

WASH HANDS WHEN VISIBLY SOILED! OTHERWISE, USE HANDBRUB

Duration of the entire procedure: 40-60 seconds

0
Wet hands with water;

1
Apply enough soap to cover all hand surfaces;

2
Palm to palm;

3
Right palm over left dorsum with interlaced fingers and vice versa;

4
Palm to palm with fingers interlaced;

5
Backs of fingers to opposing palms with fingers interlocked;

6
Rotational rubbing of left thumb clasped in right palm and vice versa;

7
Rotational rubbing backwards and forwards with clasped fingers of right hand in left palm and vice versa;

8
Rinse hands with water;

9
Dry hands thoroughly with a single use towel;

10
Use towel to turn off faucet;

11
Your hands are now safe.
2. Hand sanitizer

Hand sanitizer can be used when hands are not visibly dirty.

How to apply hand sanitizer

- Apply a palmful of the product in a cupped hand, covering all surfaces.
- Rub the product over all surfaces of hand (front and back) following the procedure outlined above in the World Health Organization hand washing method.
- Always ensure hands are dry before donning gloves and/or before beginning next task.

Personal Hygiene

Purpose:

This Standard Operating Procedure (SOP) explains how to achieve the required standard of personal hygiene. Due to the nature of cleaning work and the close contact with customers, a good personal hygiene regime is critical to ensuring that operatives and customers are protected from potential contamination and infection.

Health and Safety:

- Have you read the risk assessments for the task to be performed?
- Have you been trained for the task to be performed?
- Do you have the correct Personal Protective Equipment [PPE] for the task to be performed?
- Do you have the correct equipment to carry out the task?
- Is it safe to carry out the task?

If the answer to any of the above questions is NO, then STOP and speak to your immediate supervisor.

Before Starting:

Operatives must:
• Not wear jewelry (especially rings, bracelets, watches, necklaces and earrings) when working as these can become damaged by chemicals and can puncture protective gloves.
• Make sure that hair is tied back neatly.
• Make sure that they have the complete correct uniform.
• Make sure they have short, clean fingernails without nail polish.
• Check their personal hygiene and appearance.
• Thoroughly wash their hands before starting work, following the Hand Washing procedure.
• Where necessary, disinfect their hands.
• Operatives’ uniform must be clean, tidy and unstained. Strong smelling perfume or aftershave should not be worn.

Equipment and Materials:

• Uniforms and work wear: operatives’ uniforms must be clean, tidy and unstained. They must not smell of chemicals or anything else when starting work.
• PPE (Personal Protective equipment): safety shoes.
Social Distancing

Purpose:

This Standard Operation Procedure (SOP) covers social distancing recommendation during the COVID-19 pandemic. Social Distancing, also called “physical distancing,” means keeping space between yourself and other people outside of your home. Social distancing from others is the best way to reduce the spread of COVID-19.

COVID-19 spreads mainly among people who are in close contact (within about 6 feet) for a prolonged period. Spread happens when an infected person coughs, sneezes, or talks, and droplets from their mouth or nose are launched into the air and land in the mouths or noses of people nearby. The droplets can also be inhaled into the lungs. In addition, people with are infected but do not have symptoms likely also play a role in the spread of COVID-19.

Health and Safety:

In general, social distancing involves minimizing exposure to infected individuals by avoiding public gatherings, adhering to spacing requirements in the workplace, and following recommended distancing from other people.

The following strategies may be useful to conducting social distancing:

1. Follow guidance of authorities.
2. Stay at least 6 feet from other people
3. Avoid contact with individuals displaying symptoms of illness.
4. Do not gather in groups or crowded places.
5. Avoid in-person meetings as much as possible and use online tools or the phone even when people are in the same building.
6. Unavoidable in-person meeting should be short and preferably in large spaces where social distancing can be implemented.
7. Cancel non-essential gatherings and training sessions.
8. Do not congregate in work rooms, pantries, storage rooms or other areas.
9. If eating lunch, eat away from others as much as possible.
10. Avoid shaking hands and hugging.
11. If working in limited space, propose solutions to prevent close contact with others.
12. For certain jobs consider working from home as an option and keep constant communications.
13. Propose scheduling work during off hours when buildings are closed.
14. If possible, avoid using any kind of public transportation, ridesharing, or taxis.
15. Ensure the 3 checks for safety have been performed before starting the task:

   • Do I know how to do the job?
     o Have you read the risk assessment for the task to be performed?
     o Each site must complete a risk assessment to identify the situations where staff may come into close contact with others.
       ▪ Where do they normally have close contact with others?
       ▪ What solutions can they identify and implement?
     o Have you been trained for the task to be performed?
     o Review Sodexo Ingenium COVID-19 curriculum
     o Review CDC COVID-19 resources.

   • Do I have the right equipment of the job?
     o Do you have the correct Personal Protective Equipment (PPE) for the task to be performed?
     o Do you have the correct equipment to carry out the task?

   • Is my environment safe?
     o Is it safe to carry out the task?

If the answer is NO to any of the above questions, then STOP and speak to your immediate supervisor.

Before Starting:

To prevent and reduce the spread of COVID-19 everyone should limit close contact with other individuals and practice social distancing (6 feet or 2 meters) in both indoor and outdoor spaces.

Since people can spread the COVID-19 virus before they know they are sick, it is important to stay away from others when possible, even if the person has no symptoms. Social distancing is especially important for people who are at higher risk of getting very sick which include people 65 years and older and people with certain medical conditions such as chronic lung disease, asthma, serious heart conditions, diabetes, liver disease, chronic kidney disease and people with immune deficiencies amongst others.

If feasible, managers should assess the maximum number of employees the space can accommodate to maintain social distancing. Managers should also assess current processes that might result in people gatherings or crowding and implement control measures to allow for social distancing.

Equipment and Materials:

Managers should consider the following equipment and materials to support the implementation of social distancing:

* Signs and Posters that visually communicate social distancing directions
* Quick guidance documents to post on informational boards
* Stickers and decals for walls and floors that help position people at a certain distance from each other
* Crowd control stanchions for organized people movement
* Clear splash shields (e.g. at cashier stations)
* Vending devices

**Procedure:**

The following working areas and/or onsite activities are of special concern due to being more prone to the formation of groups of people and crowding and therefore managers should assess and implement strategies to minimize gatherings and ensure social distancing:

Time clock area, serving lines, cashier lines, storage rooms, break rooms and certain food preparing areas, amongst others. Activities to include huddles and meetings.

Along the strategies described above, managers should consider the use of the following to promote social distancing including limiting the number of people in specific areas of the workplace.

- Posters and Signs
- Crowd control barriers
- Wall and floor decals
- Clear splash shields (e.g. at cashier stations)
- Drive-through service windows
- Vending devices
- Pre-paid pick up service
- Drop and go service
- Remote pick up options

**The Final Check**

During site tours, managers should practice social distancing and identify workplace areas where people may gather and therefore become a hazard. Conduct, assess and implement strategies for social distancing as described in this document. Safety Walks (using the Salus App) are a means to identify opportunities and continue to reinforce practicing of social distancing.
Preventative Cleaning and Disinfecting for Infectious Disease Control

Purpose:

This SOP describes how to disinfect our client environment to help prevent the spread of a pathogen.

Health and Safety:

1. Any out-of-scope work that may expose Sodexo employees or others to persons who are confirmed infected or potentially infected with a pathogen, such as a virus, must review and agree to by the regional response team, including the regional Health Safety and Environmental Leader.

2. Special training is required for cleaning and disinfection

3. Cleaning staff must have all Personal Protective Equipment (PPE) available before starting the cleaning and disinfection process.

4. Operatives must not wear any jewelry that can come in contact with chemicals and can puncture protective gloves.

5. Operatives must keep fingernails short to not puncture protective gloves.

6. Operative must have hair tied back.

7. Have a current Health and Safety task assessment and safe system of work that is suitable for the location(s) and environment(s) in which the task will be carried out.

8. Ensure every operative is trained, informed and instructed on the outcomes of the risk assessment and how to undertake this work activity safely.

9. Where any Health and Safety concerns are highlighted, they must be reported via line management.

10. IF the event a Health and Safety concern is identified, do not begin the task, or stop the task if already in progress. Sodexo management must ensure the task can be carried out safely before it commences (or re-starts).

11. Ensure the 3 checks for safety have been performed before starting the task:
   - Do I know how to do the job?
   - Do I have the right equipment of the job?
   - Is my environment safe?

Before Starting:
1. Review the Sodexo Standard Operating Procedures (SOPs) listed below.
   - Sodexo Standard Cart Set up
   - Seven Step Cleaning Process
   - Damp Wiping for Frequently Touched Surfaces
   - Waste Collection
   - Hand Washing

2. Train All Applicable Employees
   All Employees at the work site exposed to chemicals on the Hazardous Chemical Inventory List under normal operating conditions or in foreseeable emergencies must receive initial and ongoing chemical hazard training. Records should be kept for all employees trained including: date of the training, names of students who successfully completed training, facility where trained, and these record should be maintained for 5 years.

3. Review the personal Protective Equipment (PPE) and Hand Hygiene requirements.
   PPE must be worn as specified for the pathogen the preventative disinfection is for.
   
   Spray disinfectant is NOT recommended. However, if used, wear safety goggles. Disinfectants must be sprayed within 6-8 inches of surface to be effective and to be safely applied. This minimizes respiratory sensitivity.

4. Hand Hygiene
   Remove gloves after cleaning and disinfecting the area.
   
   Wash hands immediately after gloves are removed.
   
   New gloves should be used as moving to different areas to prevent the spread of the pathogen.

5. Cleaning staff and others must wash hands often, including immediately after gloves are removed.
   Wash hands with soap and water for 20 seconds.
   
   If hand washing is not available, an alcohol-based hand sanitizer that contain 60%-95% alcohol should be use. However, if hands are visibly dirty, always wash hands with soap and water.

6. Additional key times to clean hands included
   - After blowing one’s nose, coughing or sneezing
   - After using the restroom
   - Before eating or preparing food
   - After contact with animals or pets
   - Before and after providing routine care for another person who needs assistance.
   - Cover your mouth and nose with a tissue when you cough or sneeze, or use the inside of your elbow.

7. Where possible ventilate the area

8. Check that all equipment and materials are safe to sue before starting the task.

9. Visually inspect the work area and using the “step back” process and ensure the area is safe
10. If there is a hazard and you are not able to find a solution, you must inform your immediate supervisor before proceeding.

11. Set up hazard warning signs so they can be clearly seen by all.

**Equipment and Materials:**

1. **Required PPE**
   
   Disposable moisture impervious non-latex gloves. Wear gloves when using cleaning chemicals or handling waste. Change gloves and wash hands with soap and water when transitioning from a soiled/dirty area to a clean area.

   **Safety glass**

   Goggles if using a spray disinfectant.

   Slip resistant shoes or shoe covers.

2. **Cleaning Equipment**

   Refer to Cart SOP

3. **Surface Disinfection Equipment and Materials:**

   Use the correct disinfectant.

   You must follow the EPA master label instruction for the emerging pathogens to ensure regulatory compliant use.

   Carefully review the EPA’s master label for the disinfection to ensure regulatory compliant use.

4. **Safety Data Sheets (SDS)**

   A SDS must be on file for all disinfectant chemicals used or handled. Copies of the SDSs must be kept in the area readily accessible to all employees and the client. Operations with remote work sites should keep applicable SDSs in each work area.

5. **Wet Floor Signs**

**Procedure:**

1. Clean as if it were for a friend or member of your family – by understanding and thinking about the importance of cleaning correctly, we will do the best job we can.

2. Read manufacturer’s instructions so you know the wet contact time (wet contact time is the time disinfection remains visibly wet on surface) and dilution required for the disinfectant to be effective and whether there are any materials, you must not use it on.

3. Surfaces must be cleaned using your current Standard Operating Procedures (SOP). Cleaning must be completed prior to disinfection. Use disposable cleaning cloths. Change cleaning cloths frequently to prevent transferring soil from one surface to another. Surface is clean when there is no visible contamination.

4. Apply disinfectant according to the EPA’s master label instructions for the product.
Each disinfectant has specific instruction for required process and wet contact times. Refer to the product’s instructions to identify the required contact time. Additional applications may be required to ensure the surface remains wet for the required wet contact time.

5. After the required wet contact time is achieved, the surface can be allowed to air dry or can be polished dry with a clean, disposable paper towel. If the surface appears streaky, a water dampened, clean paper towel can be used to remove the streaking.

6. Clean systematically and methodically
   - Top to bottom
   - Work clean to dirty: start in the clean area and work toward dirty areas
   - Space to space

7. Clean all horizontal and vertical surfaces to hand height, especially frequently touched surfaces including:

8. Remove and clean wet floor safety signs.

9. If using disposable cloths, dispose of as waste. (Note: if using microfiber cloths, remove to be laundered at 194 degrees Fahrenheit.)

10. Wash Hands

11. Soft Surfaces
For soft (porous) surfaces such as carpeted floors, rugs, and drapes, remove visible contamination if present and clean with appropriate cleaners indicated for use on these surfaces.

   If the item can be laundered, launder item in accordance with the manufacturer’s instructions using the warmest appropriate water setting for the item and then dry items completely.

   Otherwise, use products with EPA-approved emerging viral pathogens claims that are suitable for porous surfaces.

12. Waste Handling and Items that Go to the Laundry

   Always wear disposable moisture impervious non-latex gloves when handling waste or soiled laundry.

   Place waste and soiled laundry carefully into appropriately lined waste containers.

   Do not shake dirty laundry; this minimizes their possibility of dispersing virus into the air. Wash item as appropriate in accordance with the manufacturer’s instructions. If possible, launder items using the hot water setting for the items and dry items completely.

   Clean and disinfect laundry hampers and trash receptacles

   Remove disposable gloves and place in trash.

   Wash hands thoroughly with soap and water for at least 20 second and dry thoroughly using a disposable paper towel if available.
Sodexo Seven Step Cleaning Procedure

Purpose:

This Standard Operating Procedure (SOP) describes the Seven Step Cleaning Procedure, which is the standard method for cleaning all areas (unless otherwise specified). This procedure can be used as a reference or checklist.

In some locations not all the activities will take place during every clean – refer to the work schedules.

Health and Safety:

1. Hazards associated with this activity:
   - Hazardous materials including chemicals, blood borne pathogens, mold, bacteria, dust etc.
   - Manual handling (furniture and equipment).
   - Walking and working surfaces (slips, trips and falls).
   - Hand and portable power tools.
   - Sharps (glass, needles etc.).
   - Workplace ergonomics (access to parts of the room).

2. Ensure the 3 checks for safety have been performed before starting the task:
   - Do I know how to do the job?
   - Do I have the right equipment of the job?
   - Is my environment safe?

Before Starting:

1. Assess your planned work schedule

2. Check the equipment and materials are safe to use before starting the task.

3. When assembling equipment, for safety reasons check for damage, specifically checking that plugs and cables are intact, have not cuts or abrasions and are safe to use.

4. Operatives must:
   Visually inspect the work area and insure the area is safe. If there is a hazard and you are not able to find a solution, inform your immediate supervisor before proceeding.
Put an area-specific or site-specific uniform and PPE that is appropriate for the work to be performed.

**Equipment and Materials:**

1. PPE for the task.
2. Safety Data Sheets (SDS) and hazardous material risk assessment.
3. Cleaning equipment and materials.
4. Refuse/trash/waste bags.
5. Vacuum cleaner.
6. Sodexo’s preferred products are disposable, pre-moistened disinfectant wipes and disposable single use microfiber mops.
7. Chemicals preferably concentrated and ecologically certified, where available, diluted according to manufactures recommendations.
8. Hazard warning signs

**Procedure:**

1. Always knock before entering a room and announce what you are doing there.
2. Make a note of any room that you are unable to clean. This note will remind you later in the day, so the room is not neglected. Notify your manager if you were not able to get into the room.
3. Pull Trash
   - Remove all liners and reline all waste containers that contain waste. If can is empty, skip it and move on.
   - Carefully empty waste bins or remove waste bin liners.
   - Sort for proper disposal if a waste recovery process is available on site and according to local procedures.
   - Place waste into the correct refuse containers.
   - Empty recycling bins or remove recycling bin liners and place them in the appropriate recycling sack on the cart.
   - Reline all waste bins and recycling bins.
   - Follow the Waste Receptacle cleaning procedure to make sure all waste receptacles are clean and free of all debris, dirt, smudges and contamination.
4. High Dust
   - High dust using the High Dusting procedure
   - High dust everything above shoulder level or out of reach by using an extension pole with an adjustable contour high duster head.
Note: Never high dust near or over people
Include all adjacent rooms (i.e. restrooms).

5. Damp Wipe

Anything that can be reached should be damp wiped with disinfectant solution. Damp Wipe all contact surfaces by following the Damp Wiping for Frequently Touched Surfaces SOP.
Wipe everything you are able to reach.
Use disinfectant damp wiping solution for all contact surfaces.
After wet-contact time has been achieved, use a dry cloth or a paper towel to polish both interior and low level glass to a dry streak-free appearance.
Use glass cleaner to wipe interior and low level glass and any metal fittings.
Start damp wiping at the door and work around the room in a circular pattern.
Be sure to include: wall spotting, light switches, telephones, wall moldings, dispensers, window sills, and all furniture.

6. Clean Restroom

Place hazard warning sign(s) at the entrance to the bathroom in such a way as to allow safe access to the room.
Thoroughly clean restroom and any restroom fixtures that are part of the room, using the Restroom cleaning procedure.
Start at the door and end with the toilet.
Use the bowl mop for only the inside of the toilet and wipe the outside with a disinfectant damp wiper.
Do not use the cleaning wiper on any other surface after cleaning the toilet. Immediately place soiled wiper into disposal bag.

7. Dust Mop

Dust mop the entire floor following the Dust Mopping procedure. Dust behind all furniture and doors, be sure to move whatever is possible.

8. Damp Mop

Place hazard warning sign(s) at the entrance to the room in such a way as to allow safe access to the room.
Damp mop the entire floor following the Damp Mopping procedure.
Start with the corner farthest from the door and work your way out.
Mop out corners to prevent build up.

9. The Final Check
Inspect the area or room carefully:
• Picture Perfect Room: all furniture and items need to be replaced correctly.
• Correct any deficiencies.
• Equipment is clean and safe to re-use.
• Remove hazard warning sign(s).
• PPE is cleaned and properly stored or disposed of.
• Report any damaged equipment, interiors, repairs required and water leaks.
• Ensure waste and potentially contaminated materials are properly sorted, disposed of and stored correctly.
• Water taps/faucets are turned off.
• Lights are switched off (if appropriate).
• Cleaning equipment is switched off and unplugged.
• Complete any activity record sheets for the task and return them to your supervisor as required.

In addition to the above procedures:

Inspect the work according to the standards including the following:

Surfaces are visibly cleaned and properly disinfected. The room will not show any fluorescent indicator if inspected using the black light.

Report any needed repairs, especially drape and curtain cleaning and replacement requirements.

Furniture is appropriately placed, window coverings are the way the patient requests or open if unoccupied.

Call light cord is placed within patient reach if room occupied.

Ensure room is free of sharp hazards, broken trim, wall penetrations, and that the plumbing and furnishings, HVAC, and electrical outlets are all operating properly.
Correct any deficiencies.

Before exiting the areas just cleaned, inquire if there is anything that they may have noticed that is not working, or needs to be cleaned.

Let them know that you can have someone come and fix it for them. If they mention any item that needs repair, ask if they would mind if you use their phone. Call to report the item, then disinfect the phone.

Ask yourself, is the room acceptable according to Sodexo standards?

Floors are free of spills, debris and body fluids and have a shine without scratches.

Dispensers are adequately filled.

First impression cleanliness is constantly maintained.
Ceilings, ledges, countertops, furniture, and cabinets are clean and free of dust, blood, and body fluids.

Waste receptacles are clean and free of all debris, dirt, smudges, and contamination.

Wash basins/sinks are clean and free of mineral build-up.

All other contact items have been damp dusted.
Damp Wiping for Frequently Touched Surfaces

Purpose:
This method describes the preparation of the damp wiper cleaning solution, chemical selection and Sodexo Techniques to effectively clean and disinfect frequently touched surfaces.

Health and Safety:
1. Hazards associated with this activity:
   - Hazardous materials including chemicals, blood borne pathogens, mold, bacteria, dust, etc.
   - Manual handling (furniture and equipment, etc.)
   - Walking and working surfaces (slips, trips and falls).
   - Infectious diseases and bodily fluids
   - Fire safety (flammable substances)
2. Ensure the 3 checks for safety have been performed before starting the task:
   - Do I know how to do the job?
   - Do I have the right equipment of the job?
   - Is my environment safe?

Before Starting:
1. Assess your planned work schedule
2. Check the equipment and materials are safe to use before starting the task.
3. When assembling equipment, for safety reasons check for damage, specifically checking that plugs and cables are intact, have not cuts or abrasions and are safe to use.
4. Operatives must:
   - Visually inspect the work area and insure the area is safe. If there is a hazard and you are not able to find a solution, inform your immediate supervisor before proceeding.
   - Put an area-specific or site-specific uniform and PPE that is appropriate for the work to be performed.

Equipment and Materials:
1. Required PPE
   • Disposable moisture impervious non-latex gloves. Wear gloves when using cleaning chemicals or handling waste. Change gloves and wash hands with soap and water when transitioning from a soiled/dirty area to a clean area.
   • Safety glass
   • Goggles if using a spray disinfectant.
   • Slip resistant shoes or shoe covers.
2. Sodexo’s preferred products are disposable, pre-moistened disinfectant wipes and disposable single use microfiber mops.
3. Sodexo approved disinfectant, preferably concentrated and/or ecologically certified, whenever available, diluted according to manufacturer’s instructions.
5. Hazard warning signs.

**Procedure:**
1. For the purposes of damp wiping frequently touched hand contact surfaces Sodexo approved disinfectant is to be diluted according to the manufacturer’s instructions for mixing.
2. Surfaces to be disinfected daily:
   • Light switches
   • Door knobs
   • Keyboards
   • Push plates (on doors)
   • Telephones
   • TV remotes
   • Furniture
   • Headboards
   • Footboards
   • Faucets
   • Dispensers
   • Shower curtains
   • Shower fixtures
   • Toilet flushing handle
   • Toilet seat
   • Wall moldings
   • Window sills
   • Restroom handrails
3. Wear disposable, non-latex, moisture impervious gloves and safety glasses whenever handling disinfectant concentrates to avoid burns to the skin and eyes.
4. Place hazard warning sign at the entrance to the room in such a way as to allow safe access to the room.
5. Move all light furniture and equipment except stationary items (if appropriate) to enable the task to be carried out. Seek assistance if larger items need to be moved.
6. Mix the Sodexo and hospital approved disinfectant according to manufacturer’s instructions. Pay special attention to dilution ratios.

7. Use pre-saturated disinfectant wipes.

8. Scrub the surface clean to remove visible soil. A surface must be free of visible soil before disinfection can occur. For soil embedded into a surface use an abrasive sided pad and plain water to remove the soil.

9. For mineral deposits, a dampened end of a pumice stick is very effective.

10. For petroleum based soil use a de-greaser.

11. For soap scum use a damp wiper pre-saturated the neutral pH bathroom cleaner.

12. To disinfect the surface damp wipe it with the clean side of a pre-saturated disinfecting wiper.

13. Once the surface is free of organic material, it is important to perform the final pass over the surface with the fresh side of the disinfectant damp wiper.

14. After air drying per the disinfectant manufacturer’s recommendations, surfaces may be dried using a dry clean wiper or paper towel if there is a risk of skin contact to the damp surface or if the surface is a highly reflective surface such as glass for streaking might be visible.

15. Leave the hazard warning sign in place until the floor is dry and the final check inspection is complete.

16. Remove, clean and store hazard warning signs.

17. Final Check

   a. Ensure the concentrated liquids are stored safely and securely
   b. Store the diluted liquids securely.
   c. Inspect the area or room carefully:
   d. Picture Perfect Room: all furniture and items need to be replaced correctly.
   e. Correct any deficiencies.
   f. Equipment is clean and safe to re-uses.
   g. PPE is cleaned and properly stored or disposed of.
   h. Report any damaged equipment and interiors, needed repairs or water leaks.
   i. Waste and potentially contaminated materials are properly sorted, disposed of and stored correctly.
   j. Water taps are turned off.
   k. Lights are switched off (if appropriate).
   l. Cleaning equipment is switched off and unplugged.
Waste Collection

Purpose:

This method explains how to collect waste in a safe, efficient, and timely manner.

An important part of effective waste management is to ensure that waste is collected in a timely manner to avoid overflowing waste containers and health, safety and environmental risks.

Waste collection activities can involve a variety of designated types of waste storage areas, waste and waste container types, waste transport method, collection schedule, etc.

When collecting waste, it is important that the waste container within the area of collection be left empty and in a safe and tidy condition.

Health and Safety:

1. Hazards associated with this activity:
   - Hazardous waste materials.
   - Walking surfaces (slips, trips and falls).
   - Vehicles (movement of waste vehicles and other site traffic)
   - Electric safety (waste equipment).
   - Personal hygiene (during and following sorting and segregation activities).
   - Manual handling (waste material, skips, bins and equipment).
   - Physical, e.g. asbestos, sharp items.
   - Biological, e.g. medical waste, dead animals.
   - Chemical, e.g. solvents, paints, batteries.
   - Radiological, e.g. laboratory waste.
   - Fire and explosion hazard (e.g. storage of incompatible waste, short circuit of batteries).
   - Working at height when inspecting inside of bins and containers
   - Confined spaces (deep pit, waste container or excavation).

2. Ensure you adhere to the local site risk assessment at all times.
3. Ensure you wear the site-specific or area-specific PPE at all times, to include non-slip safety footwear, ballistic trousers, cut-resistant gloves and high visibility clothing.

4. Do not climb into any waste container.

5. Ensure correct manual handling techniques are used when moving or pulling wheeled bins and containers.

6. Visually inspect waste containers for sharp edges and cracks prior to handling.

7. When inspecting waste containers, ensure there is sufficient space to maneuver waste container if required.

8. Waste container should be inspected upon receipt, while the bin is empty.

9. If there is a requirement to inspect and sort larger waste containers, seek assistance to support the inspection for manual handling purposes.

10. If you sustain any injury or identify a near miss while inspecting waste containers, report it verbally to your supervisor immediately.

11. Ensure the waste vendor that provides waste containers is following all required safety practices while on site.

12. Ensure correct manual handling techniques are used when moving or pulling waste containers.

13. Do not move waste containers unless safe to do so. Seek assistance, when required, to move heavy, awkward loads, or loads beyond your capability.


15. Always be aware of the presence of biting insects including bees and wasps in the summer months, when dealing with waste in outdoor environments.

16. Be aware of broken glass and hypodermic needles in waste, especially if the public has access to the area (seek advice from your supervisor).

17. Ensure the 3 checks for safety have been performed before starting the task:
   - Do I know how to do the job?
   - Do I have the right equipment of the job?
   - Is my environment safe?

**Before Starting:**

1. Ensure you are familiar with the local waste policy and local waste regulations and guidelines.

2. If there is a hazard and you are not able find a solution, inform your immediate supervisor before proceeding.

3. Determine the most efficient/appropriate method to collect and transport waste.

4. Put on the required PPE identified in the local risk assessment, which will typically include non-slip safety footwear, cut/puncture resistant gloves and high visibility vest.

5. Ensure operational teams, suppliers, clients and other key stakeholders are informed of Sodexo’s sustainability policy regarding waste, and that relevant actions are taken at site to eliminate all avoidable waste.

**Equipment and Materials:**
1. Waste collection vehicle/equipment.
2. Waste container.
3. Hazard warning signs.
4. Spill clean up kit.
5. PPE: non-slip safety footwear, ballistic trousers, cut/puncture resistant gloves and high visibility clothing, as a minimum.
6. Appropriate documentation: waste collection schedule, contact information, including emergency contact information, waste receipt documentation.

Procedure:

1. Storage Areas
   
   If you observe any spillages within storage areas (both internal and external) report it to the supervisor or site manager and arrange clean-up as appropriate. Clean-up of any hazardous or dangerous waste must be performed only by trained personnel.
   
   Waste storage areas (both internal and external) must be kept appropriately secured against entry by unauthorized personnel. If you observe that waste has not been adequately secured, report it to your immediate supervisor.
   
   Refer to SOP WASTE_CORE_019_S_Internal Storage of Waste for more information on the internal storage of waste.
   
   Refer to SOP WASTE_CORE_020_S_External Storage of Waste for more information on the external storage of waste.

2. Collection
   
   Collect waste container from the waste storage area in line with the established waste collection schedule and process, and record the collection, as required, in an appropriate document or system.
   
   Check the contents of the waste container and report or record any non-conformances, in accordance with your local site policy.
   
   Establish a program to monitor effectiveness of the waste collection schedule, including the areas which are busy and used multiple times during any workday. If waste containers are regularly observed to be overflowing or empty, review the waste collection schedule and engage with the client, the workforce, the waste management supplier, and relevant stakeholders to make the collection process more efficient.
   
   Display the waste collection schedule and a waste collection completion sheet within all waste storage areas to inform users when the next collection is due, and when the last collection was completed, respectively.
   
   Refer to Methods WASTE_CORE_023_M_Transferring of Waste - Site Vehicles

3. Segregation
   
   Refer to Method WASTE_CORE_018_M_Sorting Segregation for more information regarding waste segregation.
If the segregation of waste is consistently poor, consider launching a waste campaign to improve the process and support the education of all stakeholders.

Refer to SOP WASTE_CORE_005_S_Waste Awareness for more information regarding waste awareness campaigns and materials.

The waste campaign should focus on waste minimization as a priority, in order to use materials more efficiently and to reduce the amount of waste requiring final disposal, in line with Sodexo’s sustainability roadmap - the Better Tomorrow Plan. The objective is to eliminate all avoidable waste.

Refer to SOP WASTE_CORE_004_S_Waste Minimization for more information and good practices.

4. Disposal

Once the waste has been collected and transported back to the waste storage area, ensure it is stored appropriately until collection and transport off site for recycling/recovery, or for final disposal by appropriately licensed waste management supplier(s) or transporter(s).

Ensure waste is transferred/consigned to the waste management supplier(s) or transporter(s) for off-site transport and final disposal, and all required documents are completed and retained.

Refer to SOPs WASTE_CORE_010_S_Waste Documentation, WASTE_CORE_011_M_Record Keeping and Reporting Requirements and WASTE_CORE_012_M_Waste Classification and Characterization for more information.

5. Final Check

Inspect the area carefully to ensure all hazards have been removed from the location and the waste has been disposed of correctly.

Correct any deficiencies.

Ensure the equipment is safe to re-use.

Ensure PPE is cleaned and properly stored or disposed of.

Clean and wash hands after carrying out activity.

Report any damaged equipment, required repairs, or water leaks.

Ensure lights and electrical equipment are switched off and/or unplugged when not in use.

Ensure water taps are turned off.

Consult with your local Waste Subject Matter Expert (SME), as required.
Disinfecting with a Sprayer

Purpose:

This document describes how to disinfect hard and soft, NON-Food contact surfaces utilizing a trigger sprayer or similar compressed backpack or tank air spray device which dispenses large droplets. This method described in this document does not support/relate to misting/ fogging or electrostatic spraying. Misting or electrostatic spraying is an aerosol producing process that requires a higher level of respiratory Personal Protective Equipment (PPE).

Use of a sprayer will be part of the Preventative Disinfected SOP. If reactive disinfection is needed (less than 7 days), a vendor will be called in.

Health and Safety:

Food Safety: if you disinfect a food contact surface by accident, that surface must be thoroughly rinsed with potable water to remove all chemical residue.

Required PPE:

- Face Covering (Mask)
- Safety Glasses
- Disposable, moisture impervious non-latex gloves
- Slip resistant shoes

To carry out this task you must:

- Have a current Health and Safety risk assessment and safe systems of work that is suitable for the location(s) and environment(s) in which the task will be carried out.
- Ensure every operative is trained, informed and instructed on the outcomes of the risk assessment and how to undertake this work activity safely (i.e. through the implementation of this method statement.)
• Safety Data sheets – must be on file for all disinfectant chemicals used or handled. SDS must be kept in an area readily accessible to all employees and the client.

• Where any health and safety concerns are highlighted, they must be reported to your manager.

Ensure the 3 checks for safety have been performed before starting the task:

• Do I know how to do the job?
• Do I have the right equipment of the job?
• Is my environment safe?

Before Starting:

Review the Sodexo Standard Operating Procedures (SOPs) listed below.

• Wiping for Frequently Touched Surfaces
• Personal Hygiene
• Hand washing
• Preventative Disinfecting

Train all applicable employees – All employees at the work site exposed to chemicals on the Hazardous Chemical Inventory List under normal operating conditions or in foreseeable emergencies, must receive initial and ongoing chemical hazard training. Records should be kept for all employees trained including date of the training, names of individuals who successfully complete training, and facility where trained. These records should be maintained for 5 years.

Review the Personal Protective Equipment (PPE) and Hand Hygiene

• Hand Hygiene: Remove gloves after cleaning and disinfecting the area. Wash hands immediately after gloves are removed.

• Cleaning staff and other must wash hands often, including immediately after removing gloves by washing hands with soap and water for 20 seconds. In addition, an alcohol-based hand sanitizer that contains 60% to 95% alcohol should be used. However, if hands are visibly dirty, always wash with soap and water.

• Personal Hygiene and Respiratory Etiquette – normal preventive actions while at work and home, including cleaning hands and avoiding touching eyes, nose or mouth with unwashed hands. Cover your mouth and nose when coughing or sneezing. Use tissue and throw them away and wash hands immediately afterward. Wash your hands or use a hand sanitizer every time you touch your mouth or nose.

  o Additional key times to clean hands include:
    • After blowing one’s nose, coughing or sneezing
    • After using the restroom
    • Before eating or preparing food
    • After contact with animals or pets
- Before and after providing routine care for another person who needs assistance
  - Where possible, ventilate the area
  - Check that all equipment and materials are safe to use before starting the task.
  - Visually inspect the work area and using the “step back” process, ensure the area is safe.
  - If there is a hazard and you are not able to find a solution, you must inform your immediate manager before proceeding
  - Set up hazard warning signs so they can be clearly seen by all.

**Equipment and Materials**

- Disposable wipes
- Compressed air or trigger sprayer
- Selected disinfectant for use in selected sprayer
- Proper Personal Protective Equipment (PPE) as stated in Health and Safety

**Procedure**

Disinfectant wet contact time is the time a surface must remain visibly wet to disinfect. The wet contact time is identified by the manufacturer product master label. Read manufacturer’s instructions so you know the wet contact time and dilution required for the disinfectant to be effective and any materials or surfaces you must not use it on.

1. Put on any PPE required.
2. Clean surfaces – Surfaces must be cleaned using your current Cleaning SOP prior to disinfection. Use disposable cleaning cloths. Change cleaning cloths frequently to prevent transferring soil from one surface to another. Surface is clean when there is no visible contamination.
3. Disinfection:
   - Apply disinfectant utilizing a compressed air or trigger spray device to clean, dry surfaces. Begin the disinfection process by spraying the disinfectant evenly on the surface moving “North to South, then East to West.”
   - Electrical devices must not be sprayed/saturated with disinfectant; they must be cleaned and disinfected manually.
   - After the required wet contact time is achieved, the surface can be allowed to air dry or can be polished dry with a clean disposable paper towel. If the surface appears streaky, water dampened, clean paper towel can be used to remove streaking.
- Dispose of wipe in trash. Never take a wipe to another room. Use a new wipe when transitioning to another room.

## REVISION HISTORY

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<th>Date</th>
<th>Description of changes</th>
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Appendix 3

Safety Date Sheets for Disinfecting Chemicals
Safety Data Sheets (SDS)

1. Peroxide Multi Surface Cleaner and Disinfectant - Ecolab
2. QC 54 Peroxide Glass and Surface Cleaner - Ecolab
3. Oxivir Tb Wipes
4. TB Disinfectant Cleaner - Ecolab
5. 73 Disinfecting Acid Bathroom Cleaner - Ecolab
6. Multi-Purpose Disinfectant Cleaner – Ecolab
7. Lemon Lift – Ecolab
8. Clorox Bleach – The Clorox Company
9. 65 Disinfecting Heavy Duty Acid Bathroom Cleaner – Ecolab
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT
Other means of identification : Not applicable
Recommended use : Disinfectant
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : 3.125 % - 4.6875 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 08/06/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD
Acute toxicity (Oral) : Category 4
Acute toxicity (Inhalation) : Category 3
Acute toxicity (Dermal) : Category 4
Skin corrosion : Category 1A
Serious eye damage : Category 1
Skin sensitization : Category 1

Product AT USE DILUTION
Eye irritation : Category 2B

GHS label elements

Product AS SOLD
Hazard pictograms :

Signal Word : Danger

Hazard Statements : Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic if inhaled

Precautionary Statements : Prevention:
Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. If skin irritation or rash occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.

Storage:
Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

Product AT USE DILUTION
Signal Word : Warning

Hazard Statements : Causes eye irritation.

Precautionary Statements : Prevention:
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AS SOLD
Other hazards : Do not mix with bleach or other chlorinated products – will cause chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture

Chemical name | CAS-No. | Concentration (%)
dodecylbenzene sulfonic acid | 27176-87-0 | 5 - 10
Hydrogen peroxide | 7722-84-1 | 8
Fragrance mixture | | 0.1 - 1

Product AT USE DILUTION
Chemical name | CAS-No. | Concentration (%)
Hydrogen peroxide | 7722-84-1 | 0.375

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention immediately.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Sulfur oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD
Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD
Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).


Storage temperature : 0 °C to 50 °C

Product AT USE DILUTION
Advice on safe handling : Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD

Ingredients with workplace control parameters

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection/ face protection.
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Hand protection: Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of
degradation or chemical breakthrough.

Skin protection: Personal protective equipment comprising suitable protective gloves,
safety goggles and protective clothing.

Respiratory protection: When workers are facing concentrations above the exposure limit they
must use appropriate certified respirators.

Hygiene measures: Handle in accordance with good industrial hygiene and safety
practice. Remove and wash contaminated clothing before re-use.
Wash face, hands and any exposed skin thoroughly after handling.
Provide suitable facilities for quick drenching or flushing of the eyes
and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures: Good general ventilation should be sufficient to control worker
exposure to airborne contaminants.

Personal protective equipment

Eye protection: No special protective equipment required.
Hand protection: No special protective equipment required.
Skin protection: No special protective equipment required.
Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
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<tr>
<th>Property</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
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<tr>
<td>Appearance</td>
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<td>Water solubility</td>
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</table>
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Solubility in other solvents: No data available
Partition coefficient: n-octanol/water: No data available
Autoignition temperature: No data available
Thermal decomposition: No data available
Viscosity, kinematic: 1.041 mm²/s (40 °C)
Explosive properties: No data available
Oxidizing properties: The substance or mixture is not classified as oxidizing.
Molecular weight: No data available
VOC: No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD
Reactivity: No dangerous reaction known under conditions of normal use.
Chemical stability: Contamination may result in dangerous pressure increases - closed containers may rupture.
Possibility of hazardous reactions: Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid: None known.
Incompatible materials: None known.
Hazardous decomposition products: In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD
Eyes: Causes serious eye damage.
Skin: Causes severe skin burns.
Ingestion: Harmful if swallowed. Causes digestive tract burns.
Inhalation: Toxic if inhaled. May cause nose, throat, and lung irritation.
Chronic Exposure: Health injuries are not known or expected under normal use.

Product AT USE DILUTION
Eyes: Causes eye irritation.
Skin: Health injuries are not known or expected under normal use.
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD
Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Irritation, Corrosion, Allergic reactions
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION
Eye contact : Redness, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD
Product
Acute oral toxicity : Acute toxicity estimate : 1,100 mg/kg
100 mg/kg
Acute inhalation toxicity : 4 h Acute toxicity estimate : 2.0 - 10.0 mg/l
Test atmosphere: vapor
Acute dermal toxicity : Acute toxicity estimate : 1,500 mg/kg
Skin corrosion/irritation : Corrosive
Respiratory or skin sensitization : May cause sensitization by skin contact.
Carcinogenicity : No data available
Reproductive effects : No toxicity to reproduction
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects : This product has no known ecotoxicological effects.
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

Product
Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components
Toxicity to fish : dodecylbenzene sulfonic acid
96 h LC50: 4.3 mg/l

Components
Toxicity to algae : Hydrogen peroxide
72 h EC50: 1.38 mg/l

Persistence and degradability
Product AS SOLD
Not applicable - Biocide

Product AT USE DILUTION
Not applicable - Biocide

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.


Product AT USE DILUTION
Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPA Registration number 1677-238
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

<table>
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<th>Components</th>
<th>CAS-No.</th>
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SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards
Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation
Respiratory or skin sensitization

SARA 302
The following components are subject to reporting levels established by SARA Title III, Section 302:
Hydrogen peroxide 7722-84-1 5 - 10%

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects. This product does not contain any chemicals known to the State of California to cause cancer, birth or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Category</th>
<th>NA</th>
</tr>
</thead>
<tbody>
<tr>
<td>dodecylbenzene sulfonic acid</td>
<td>27176-87-0</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>Biocide</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Fragrance mixture</td>
<td>Not Available</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Ayl carboxylic acid</td>
<td>Withheld</td>
<td>Stabilizer</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Yellow dye</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Silicone</td>
<td>Withheld</td>
<td>Processing Aid</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:
All substances listed as active on the TSCA inventory.

Canadian Domestic Substances List (DSL):
This product contains one or several components listed in the Canadian NDSL.

Australia Inventory of Chemical Substances (AICS):
not determined

New Zealand. Inventory of Chemical Substances:
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory:
not determined

Korea. Korean Existing Chemicals Inventory (KECI):
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
not determined

China. Inventory of Existing Chemical Substances in China (IECSC):
not determined

Taiwan Chemical Substance Inventory (TCSI):
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

H淅IS III:

Product AT USE DILUTION
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE CLEANER AND DISINFECTANT

NFPA:

HMIS III:

HEALTH 1

FLAMMABILITY 0

PHYSICAL HAZARD 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Issuing date : 08/06/2019
Version : 1.3
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
SAFETY DATA SHEET
QC 54 PEROXIDE GLASS AND SURFACE CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : QC 54 PEROXIDE GLASS AND SURFACE CLEANER
Other means of identification : Not applicable
Recommended use : Surface cleaner
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : 0.78 % - 3.03 %

Company : Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date : 06/27/2019

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Eye irritation : Category 2A

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS label elements
Product AS SOLD
Hazard pictograms :

Signal Word : Warning
Hazard Statements : Causes serious eye irritation.
Precautionary Statements : Prevention:
Wash skin thoroughly after handling. Wear eye protection/ face protection.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

Product AT USE DILUTION
Precautionary Statements : Prevention:
Wash hands thoroughly after handling.
Response:
Get medical advice/ attention if you feel unwell.
Storage:
SAFETY DATA SHEET
QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Store in accordance with local regulations.

Product AS SOLD
Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture

Chemical name | CAS-No. | Concentration (%)
--- | --- | ---
d-glucopyranose, oligomeric, decyl octyl glycosides | 68515-73-1 | 1 - 5
Hydrogen peroxide | 7722-84-1 | 3
C10-16 Polyglycoside | 110615-47-9 | 1 - 5

Product AT USE DILUTION
No hazardous ingredients

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : None known.
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

media

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD
Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION
Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD
Advice on safe handling : Avoid contact with skin and eyes. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

Storage temperature : 15 °C to 40 °C

Product AT USE DILUTION
Advice on safe handling : Wash hands after handling. In case of mechanical malfunction, or if in
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>TWA</td>
<td>1 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 ppm 1.4 mg/m³</td>
<td>OSHA Z1</td>
</tr>
</tbody>
</table>

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: Safety glasses with side-shields
Hand protection: No special protective equipment required.
Skin protection: No special protective equipment required.
Respiratory protection: No personal respiratory protective equipment normally required.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

Product AT USE DILUTION

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: No special protective equipment required.
Hand protection: No special protective equipment required.
Skin protection: No special protective equipment required.
Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>clear, yellow</td>
<td>yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>sweet</td>
<td>Floral</td>
</tr>
<tr>
<td>pH</td>
<td>4.3 - 5.0, (100%)</td>
<td>6.3 - 7.0</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash point</td>
<td>Not applicable, Does not sustain combustion.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 100 °C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.027 - 1.042</td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>yes</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>No data available</td>
</tr>
<tr>
<td>VOC</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD
Reactivity                      : No dangerous reaction known under conditions of normal use.
Chemical stability             : Contamination may result in dangerous pressure increases - closed containers may rupture.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid            : None known.
Incompatible materials         : Eases
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as: Carbon oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Causes serious eye irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Health injuries are not known or expected under normal use.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

Experience with human exposure

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Redness, Pain, Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>No symptoms known or expected.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No symptoms known or expected.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No symptoms known or expected.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>No symptoms known or expected.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>No symptoms known or expected.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No symptoms known or expected.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No symptoms known or expected.</td>
</tr>
</tbody>
</table>

Toxicity

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th>Acute toxicity estimate: &gt; 5,000 mg/kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute inhalation toxicity</td>
<td>4 h Acute toxicity estimate: &gt; 200 mg/l</td>
</tr>
<tr>
<td></td>
<td>Test atmosphere: vapor</td>
</tr>
<tr>
<td>Acute dermal toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>No data available</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components
Acute dermal toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 Rabbit: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity

Environmental Effects : Harmful to aquatic life.

Product
Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Components
Toxicity to fish : C10-16 Polyglycoside
96 h LC50 Fish: 5 mg/l

Components
Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50: 16 mg/l

Hydrogen peroxide
72 h EC50: 1.36 mg/l

Persistence and degradability

Product AS SOLD
Readily biodegradable.

Product AT USE DILUTION
No data available

Bioaccumulative potential
No data available

Mobility in soil
SAFETY DATA SHEET
QC 54 PEROXIDE GLASS AND SURFACE CLEANER

No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION
Disposal methods : Diluted product can be flushed to sanitary sewer.

Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

Product AS SOLD
EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Serious eye damage or eye irritation

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
Hydrogen peroxide 7722-84-1 1 - 5 %
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>d-glucopyranose, oligomeric, decyl octyl glycosides</td>
<td>68515-73-1</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>C10-16 Polyglycoside</td>
<td>110615-47-9</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Cheating agent</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Organic acid</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Fragrance ingredient(s)</td>
<td>Not Available</td>
<td>Fragrance</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Colorant</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Nonionic surfactant</td>
<td>Withheld</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations: not determined

United States TSCA Inventory: All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL): All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS): On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemical Substances: On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory: On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI): not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS): On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances in China (IECSC): On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI): not determined

SECTION 16. OTHER INFORMATION
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Product AS SOLD
NFPA:

HMIS III:

Product AT USE DILUTION
NFPA:

HMIS III:

Issuing date : 06/27/2019
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Oxivir Tb Wipes AHP Based Disinfectant

Version Number: 1
Preparation date: 2014-10-08

1. IDENTIFICATION

Product name: Oxivir Tb Wipes AHP Based Disinfectant
Product Code: 5871411
SDS #: MS0600545
Recommended use:
  - Disinfectant
Uses advised against:
  - This product is intended to be used neat
  - Uses other than those identified are not recommended

Manufacturer, Importer, supplier:
US Headquarters
Diversey, Inc.
8310 16th St.
Sturtevant, Wisconsin 53177-1964
Phone: 1-866-352-2249
MSDS Internet Address: www.diversey.com

Canadian Headquarters
Diversey, Inc. - Canada
3755 Lard Road
Mississauga, Ontario L5L 0B3
Phone: 1-800-668-3131

Emergency telephone number:
1-800-851-7145 (U.S.); 1-851-917-8133 (mt)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product
This product is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and current Canadian Controlled Products Regulations (CPR).

Precautionary Statements
May be mildly irritating to eyes. In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention.

Health hazards not otherwise classified (HHNOC): Not applicable
Physical hazards not otherwise classified (PHNOC): Not applicable

Classification for the diluted product @ RTU
This product is intended to be used neat.

Precautionary Statements
See undiluted product information above.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>1% - &lt; 3%</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&gt; 0.1% - &lt; 1%</td>
</tr>
<tr>
<td>Dodecylbenzene sulfonic acid</td>
<td>68584-22-5</td>
<td>&gt; 0.1% - &lt; 1%</td>
</tr>
</tbody>
</table>

Oxivir Tb Wipes AHP Based Disinfectant
4. FIRST AID MEASURES

Undiluted Product:

Eyes: In case of contact, immediately flush with plenty of water. If irritation occurs and persists, get medical attention.
Skin: Rinse with plenty of water. If irritation occurs and persists, get medical attention.
Inhalation: No specific first aid measures are required.
Ingestion: Rinse mouth with water.

Most Important Symptoms/Effects: No information available.
Immediate medical attention and special treatment needed: Not applicable.
Aggravated Medical Conditions: None known.

Diluted Product:

This product is intended to be used neat.

Eyes: See undiluted product information above.
Skin: See undiluted product information above.
Inhalation: See undiluted product information above.
Ingestion: See undiluted product information above.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required
Suitable extinguishing media: The product is not flammable. Extinguish fire using agent suitable for surrounding fire.
Specific hazards: Not applicable.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Not relevant to the product itself.
Environmental precautions and clean-up methods: Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.
Storage: Protect from freezing. Keep tightly closed in a dry, cool and well-ventilated place. KEEP OUT OF REACH OF CHILDREN.
Aerosol Level (if applicable): Not applicable

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>ACGIH</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzy alcohol</td>
<td>100-51-6</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>2 mg/m³ (Ceiling)</td>
<td>-</td>
</tr>
<tr>
<td>Dodicylxylenzene sulfonic acid</td>
<td>68554-22-5</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Undiluted Product:
Engineering measures to reduce exposure: No special ventilation requirements

Personal Protective Equipment:

Eye protection: No special requirements under normal use conditions.
Hand protection: No special requirements under normal use conditions.
Skin and body protection: No special requirements under normal use conditions.

Oxivir Tb Wipes AHP Based Disinfectant
Respiratory protection: No special requirements under normal use conditions.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

### Diluted Product
This product is intended to be used neat.

### Personal Protective Equipment

<table>
<thead>
<tr>
<th>Protection Type</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Hand protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>No special requirements under normal use conditions.</td>
</tr>
<tr>
<td>Hygiene measures</td>
<td>Handle in accordance with good industrial hygiene and safety practice.</td>
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</tbody>
</table>

### 9. PHYSICAL AND CHEMICAL PROPERTIES:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Wipes</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition temperature:</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents:</td>
<td>No information available</td>
</tr>
<tr>
<td>Density:</td>
<td>8.42 lbs/gal 1.01 Kg/L</td>
</tr>
<tr>
<td>Bulk density:</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt; 200 °F &gt; 93.3 °C</td>
</tr>
<tr>
<td>Dilution Flash Point:</td>
<td>&gt; 200 °F &gt; 93.3 °C</td>
</tr>
<tr>
<td>Elemental Phosphorus:</td>
<td>0.1 % by wt.</td>
</tr>
<tr>
<td>pH:</td>
<td>3.0</td>
</tr>
<tr>
<td>Color:</td>
<td>Clear, White</td>
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<tr>
<td>Odor:</td>
<td>Cherry Almond Surfactant</td>
</tr>
<tr>
<td>Boiling point/range:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility:</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative Density (relative to water):</td>
<td>1.01</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>No information available</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>No information available</td>
</tr>
<tr>
<td>VOC: 0.01 %:</td>
<td>*</td>
</tr>
<tr>
<td>VOC % by wt. at use dilution:</td>
<td>0.01 %</td>
</tr>
<tr>
<td>Flammability (Solid or Gas):</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

*Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

### 10. STABILITY AND REACTIVITY

- Reactivity: Not Applicable
- Stability: The product is stable
- Hazardous decomposition products: None reasonably foreseeable.
- Materials to avoid: Do not mix with any other product or chemical unless specified in the use directions.
- Conditions to avoid: No information available.

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure:
- Eye contact: Skin contact, Inhalation, Ingestion

#### Delayed, immediate, or chronic effects and symptoms from short and long-term exposure
- Skin contact: Unlikely to be irritating in normal use.
- Eye contact: May be mildly irritating to eyes. Symptoms may include redness, watering and/or transient discomfort.
- Ingestion: No information available.
- Inhalation: No information available.
- Sensitization: No known effects.

#### Numerical measures of toxicity
- ATE - Oral (mg/kg): >5000
- ATE - Dermal (mg/kg): >5000
- ATE - Inhalatory, mists (mg/l): >20

### 12. ECOLOGICAL INFORMATION

Cxivir T b Wipes AHP Based Disinfectant
**Ecotoxicity:** No information available.

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

### 13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Contaminated Packaging: Do not re-use empty containers.

**RCRA Hazard Class (undiluted product):** Not Regulated

### 14. TRANSPORT INFORMATION

**DOT/USCG/IMDG:** Please refer to the Diversey HazMat Library, only available through Internet Explorer, http://maextranet.diversey.com/dot/, for up to date shipping information.

**DOT (Ground): Bill of Lading Description:** DISINFECTANTS

**IMDG (Ocean) Bill of Lading Description:** DISINFECTANTS

### 15. REGULATORY INFORMATION

**International Inventories at CAS# Level:**

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL).

**U.S. Regulations**

EPA Reg. No.: 70627-60

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

KEEP OUT OF REACH OF CHILDREN.

**California Proposition 65:** This product is not subject to the reporting requirements under California’s Proposition 65.

#### RIGHT TO KNOW (RTK)

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>MARTK:</th>
<th>NJRTK:</th>
<th>PARTK:</th>
<th>RIRTK:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Benzyl alcohol</td>
<td>100-51-6</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
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<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Dodecylbenzene sulfonic acid</td>
<td>68584-22-5</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### CERCLA/ SARA

<table>
<thead>
<tr>
<th>Ingredient(s)</th>
<th>CAS #</th>
<th>Weight %</th>
<th>CERCLA/SARA RQ (lbs)</th>
<th>Section 302 TPQ (lbs)</th>
<th>Section 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>&gt; 0.1% - &lt; 1%</td>
<td>1000</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>&gt; 0.1% - &lt; 1%</td>
<td>1000</td>
<td>5000</td>
<td></td>
</tr>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
<td>&gt; 0.1% - &lt; 1%</td>
<td>1000</td>
<td>5000</td>
<td></td>
</tr>
</tbody>
</table>

#### SARA 311/312 Hazard Categories

- Immediate:
- Delayed:
- Fire:
- Reactivity:
- Sudden Release of Pressure:
**Canada**
WHMIS hazard class: Not for sale in Canada.

### 16. OTHER INFORMATION

**NFPA (National Fire Protection Association)**
Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

- Health 0
- Flammability 0
- Instability 0

**Version Number:** 1  
**Preparation date:** 2014-10-08

**Reason for revision:** Not applicable  
**Prepared by:** NAPRAC  
**Additional advice:**  
- Does not contain an added fragrance

Notice to Reader: This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained within. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.
SAFETY DATA SHEET
TB DISINFECTANT CLEANER READY-TO-USE

Section 1. Chemical product and company identification

Product name: TB DISINFECTANT CLEANER READY-TO-USE
Recommended use and restrictions: Cleaner and disinfectant
Use only for the purpose on the product label.

Product dilution information: Not applicable

Supplier's information: Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code: 905252
Date of issue: 06 Sep 2013
EPA Registration No.: 1839-83-1677

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Hazards identification

GHS Classification: SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2B
Product AS SOLD

HS label elements
Signal word: CAUTION

Hazard statements: Causes eye irritation.
Precautionary statements
Prevention: Wash hands thoroughly after handling.
Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage: No other specific measures identified.
Disposal: See section 13 for waste disposal information.
Other hazards: None known.

Product AT USE DILUTION
Product is sold ready to use.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture
Product AS SOLD

Hazardous ingredients: BUTOXYDIGLYCOL
Concentration Range (%): 8
CAS number: 112-34-5
Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Compound</th>
<th>Concentration Range (%)</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>TETRASODIUM EDTA</td>
<td>1 - 5</td>
<td>64-02-8</td>
</tr>
<tr>
<td>n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)</td>
<td>0.105</td>
<td>68391-01-5</td>
</tr>
<tr>
<td>dimethyl benzyl ammonium chlorides</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-Alkyl (68% C12, 32% C14)</td>
<td>0.105</td>
<td>68956-79-6</td>
</tr>
<tr>
<td>dimethyl ethylbenzyl ammonium chlorides</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product AT USE DILUTION

Hazardous ingredients

Product is sold ready to use.

Section 4. First aid measures

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin contact: No known effect after skin contact. Rinse with water for a few minutes.

Inhalation: No special measures required. Treat symptomatically.

Ingestion: Get medical attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Notes to physician: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

See toxicological information (section 11)

Section 5. Fire-fighting measures

Product AS SOLD

Suitable fire extinguishing media: Use water spray, fog or foam.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - nitrogen oxides
  - metal oxide/oxides

Specific fire-fighting methods: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Section 6. Accidental release measures

**Product AS SOLD**
- Use personal protective equipment as required.

**Product AT USE DILUTION**
- Product is sold ready to use.

---

Section 7. Handling and storage

**Handling**
- Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

**Storage**
- Keep out of reach of children. Keep container tightly closed.
- Store between the following temperatures: 0 and 50°C

**Product AS SOLD**

**Product AT USE DILUTION**
- Product is sold ready to use.

---

Section 8. Exposure controls/personal protection

**Ingredient name**
- BUTOXYDIGLYCOL

**Exposure limits**
- ACGIH TLV (United States, 3/2012):
  - TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor

**Appropriate engineering controls**
- Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Product AS SOLD**

**Product AT USE DILUTION**
- Product is sold ready to use.

---

**Personal protection**

**Eye protection**
- No protective equipment is needed under normal use conditions.

**Hand protection**
- No protective equipment is needed under normal use conditions.

**Skin protection**
- No protective equipment is needed under normal use conditions.

**Respiratory protection**
- A respirator is not needed under normal and intended conditions of product use.

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

---

Section 9. Physical and chemical properties

**Product AS SOLD**
- Liquid.
- Clear
- Citrus
- pH: 12.3 (100%)
- Flash point: > 100°C
- Product does not support combustion.

**Product AT USE DILUTION**
- Product is sold ready to use.
Section 9. Physical and chemical properties

Explosion limits: Not available.
Flammability (solid, gas): Not available.
Melting point: Not available.
Boiling point: 100°C (212°F)
Evaporation rate (butyl acetate = 1): Not available.
Vapor pressure: Not available.
Vapor density: Not available.
Relative density: 1.016 (Water = 1)
Solubility: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: Not available.
n-octanol/water: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Odor threshold: Not available.
Viscosity: Not available.

Section 10. Stability and reactivity

Product AS SOLD
Stability: The product is stable.
Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid: No specific data.
Materials to avoid: Reactive or incompatible with the following materials: acids.
Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Route of exposure: Skin contact, Eye contact, Inhalation, Ingestion

Product AS SOLD

Symptoms
Eye contact: Adverse symptoms may include the following:
- irritation
- watering
- redness
Skin contact: No specific data.
Inhalation: No specific data.
Ingestion: No specific data.

Acute toxicity
Eye contact: Causes eye irritation.
Skin contact: No known significant effects or critical hazards.
Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.

Toxicity data
Product/ingredient name
Section 11. Toxicological information

2-(2-butoxyethoxy)ethanol  
LD50 Dermal  Rabbit  2764 mg/kg
LD50 Oral  Rat  3306 mg/kg
acetic acid, (ethylenedinitrilo)teta-, tetrainsodium salt  
LD50 Oral  Rat  1700 mg/kg

Chronic toxicity
Carcinogenicity  : No known significant effects or critical hazards.
Mutagenicity  : No known significant effects or critical hazards.
Teratogenicity  : No known significant effects or critical hazards.
Developmental effects  : No known significant effects or critical hazards.
Fertility effects  : No known significant effects or critical hazards.

Section 12. Ecological information

Product AS SOLD  
Ecotoxicity  : This material is harmful to aquatic life.
Aquatic and terrestrial toxicity
Product/ingredient name  
Result  
Species  
Exposure
2-(2-butoxyethoxy)ethanol  Acute LC50 1300 mg/l  Fish  96 hours
acetic acid, (ethylenedinitrilo)tetra-, tetrainsodium salt  Acute LC50 121 mg/l  Fish  96 hours

Other adverse effects  : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods  
Product AS SOLD  
Diluted product can be flushed to sanitary sewer. Discard empty container in trash.
Product AT USE DILUTION  
Product is sold ready to use.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

DOT
DOT Classification  Not regulated.

IMO/IMDG
IMO/IMDG Classification  Not regulated.

For transport in bulk, see shipping documents for specific transportation information.

Section 15. Regulatory information

Product AS SOLD
U.S. Federal regulations
TSCA 8(b) inventory  : All components are listed or exempted.
EPA Registration No.  : 1839-83-1677
SARA 302/304/311/312 extremely hazardous substances: No listed substance
SARA 302/304 emergency planning and notification: No listed substance

<table>
<thead>
<tr>
<th>Product name</th>
<th>CAS number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA 313</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 15. Regulatory information

Form R - Reporting requirements : 2-(2-butoxyethoxy)ethanol 112-34-5 5 - 10

California Prop. 65 : No listed substance

Section 16. Other information

Product AS SOLD
Hazardous Material : 
Information System (U.S.A.)

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<tr>
<th></th>
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<tbody>
<tr>
<td>Health</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Physical hazards</td>
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National Fire Protection Association (U.S.A.)

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<tbody>
<tr>
<td>Health</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Flammability</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instability/Reactivity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Special</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date of issue : 06 Sep 2013
Prepared by : Regulatory Affairs 1-800-352-5326

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.
SAFETY DATA SHEET
73 Disinfecting Acid Bathroom Cleaner

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION
Product name : 73 Disinfecting Acid Bathroom Cleaner
Other means of identification : Not applicable
Recommended use : Disinfectant
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : 6.25 % - 9.375 %

Company : Ecolab Inc.
370 N. Wabasha Street
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date : 01/12/2015

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Serious eye damage : Category 1

Product AT USE DILUTION
Eye irritation : Category 2B

GHS Label element
Product AS SOLD
Hazard pictograms : 

Signal Word : Danger
Hazard Statements : Causes serious eye damage.
Precautionary Statements : Prevention:
Wear eye protection/ face protection. Do not mix with bleach or other
chlorinated products – will cause chlorine gas.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/ physician.

Product AT USE DILUTION
Signal Word : Caution
Hazard Statements : Causes eye irritation.
Precautionary Statements : Prevention:
Wash skin thoroughly after handling. Do not mix with bleach or other
SAFETY DATA SHEET

73 Disinfecting Acid Bathroom Cleaner

chlorinated products – will cause chlorine gas.

Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proprietary mixture</td>
<td>Proprietary Ingredient</td>
<td>10 - 30</td>
</tr>
<tr>
<td>Decanoic Acid</td>
<td>334-48-5</td>
<td>1.65</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Name</td>
</tr>
<tr>
<td>Proprietary mixture</td>
</tr>
<tr>
<td>Decanoic Acid</td>
</tr>
<tr>
<td>CAS-No.</td>
</tr>
<tr>
<td>Concentration (%)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact: Rinse with plenty of water.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact: Rinse with plenty of water.

In case of skin contact: Rinse with plenty of water.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
SAFETY DATA SHEET
73 Disinfecting Acid Bathroom Cleaner

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Fire Hazard
Keep away from heat and sources of ignition.
Flash back possible over considerable distance.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Nitrogen oxides (NOx)
Sulfur oxides
Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be
disposed of in accordance with local regulations. In the event of fire
and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD
Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Remove all sources of ignition. Keep
people away from and upwind of spill/leak. Avoid inhalation, ingestion
and contact with skin and eyes. When workers are facing
concentrations above the exposure limit they must use appropriate
certified respirators. Ensure clean-up is conducted by trained
personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Eliminate all ignition sources if safe to do so. Stop leak if safe to do so.
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in
container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain
material to ensure runoff does not reach a waterway.

Product AT USE DILUTION
Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-
combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to
local / national regulations (see section 13). For large spills, dike
spilled material or otherwise contain material to ensure runoff does not
reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD
Advice on safe handling : Do not get in eyes, on skin, or on clothing. Keep away from fire,
### SAFETY DATA SHEET

**73 Disinfecting Acid Bathroom Cleaner**

- Sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

**Conditions for safe storage**: Keep away from heat and sources of ignition. Keep away from oxidizing agents. Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.

**Product AT USE DILUTION**

**Advice on safe handling**: Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas.

**Conditions for safe storage**: Keep out of reach of children. Store in suitable labeled containers.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Product AS SOLD**

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Engineering measures**: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**

- **Eye protection**: Wear eye protection/face protection.
- **Hand protection**: No special protective equipment required.
- **Skin protection**: No special protective equipment required.
- **Respiratory protection**: No personal respiratory protective equipment normally required.
- **Hygiene measures**: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

**Product AT USE DILUTION**

**Engineering measures**: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

- **Eye protection**: No special protective equipment required.
- **Hand protection**: No special protective equipment required.
- **Skin protection**: No special protective equipment required.
- **Respiratory protection**: No personal respiratory protective equipment normally required.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>liquid</td>
<td>liquid</td>
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</table>
SAFETY DATA SHEET

73 Disinfecting Acid Bathroom Cleaner

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Color</strong></td>
<td>pink</td>
<td>light pink</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>very faint</td>
<td>very faint</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>1.15, 100 %</td>
<td>2.1, 100 %</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>61 °C closed cup, Does not sustain combustion.</td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
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<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Upper explosion limit</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Lower explosion limit</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Relative vapor density</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Solubility in other solvents</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td>No data available</td>
<td></td>
</tr>
<tr>
<td><strong>Thermal decomposition</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Viscosity, kinematic</strong></td>
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</tr>
<tr>
<td><strong>Explosive properties</strong></td>
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<td><strong>Oxidizing properties</strong></td>
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<tr>
<td><strong>Molecular weight</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>VOC</strong></td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

**Product AS SOLD**

**Chemical stability**: Stable under normal conditions.

**Possibility of hazardous reactions**: Do not mix with bleach or other chlorinated products – will cause chlorine gas.

**Conditions to avoid**: Heat, flames and sparks.

**Incompatible materials**: None known.

**Hazardous decomposition products**: Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulfur oxides
- Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION
### SAFETY DATA SHEET

#### 73 Disinfecting Acid Bathroom Cleaner

**Information on likely routes of exposure**
- Inhalation, Eye contact, Skin contact

**Potential Health Effects**

**Product AS SOLD**
- **Eyes**: Causes serious eye damage.
- **Skin**: Health injuries are not known or expected under normal use.
- **Ingestion**: Health injuries are not known or expected under normal use.
- **Inhalation**: Health injuries are not known or expected under normal use.
- **Chronic Exposure**: Health injuries are not known or expected under normal use.

**Product AT USE DILUTION**
- **Eyes**: Causes eye irritation.
- **Skin**: Health injuries are not known or expected under normal use.
- **Ingestion**: Health injuries are not known or expected under normal use.
- **Inhalation**: Health injuries are not known or expected under normal use.
- **Chronic Exposure**: Health injuries are not known or expected under normal use.

**Experience with human exposure**

**Product AS SOLD**
- **Eye contact**: Redness, Pain, Corrosion
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

**Product AT USE DILUTION**
- **Eye contact**: Redness, Irritation
- **Skin contact**: No symptoms known or expected.
- **Ingestion**: No symptoms known or expected.
- **Inhalation**: No symptoms known or expected.

**Toxicity**

**Product AS SOLD**
- **Acute oral toxicity**: Acute toxicity estimate > 5,000 mg/kg
- **Acute inhalation toxicity**: 4 h Acute toxicity estimate: > 40 mg/l
- **Acute dermal toxicity**: No data available
- **Skin corrosion/irritation**: No skin irritation
- **Respiratory or skin sensitization**: No data available
- **Carcinogenicity**: No data available
SAFETY DATA SHEET

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Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Ingredients
Acute dermal toxicity : Decanoic Acid
LD50 Rabbit: > 5,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects : This product has no known ecotoxicological effects.

Product
Toxicity to fish : No data available
Toxicity to daphnia and other aquatic invertebrates : No data available
Toxicity to algae : No data available

Ingredients
Toxicity to fish : Proprietary mixture
96 h LC50 Fish: > 100 mg/l
Decanoic Acid
96 h LC50 Fish: 20 mg/l

Persistence and degradability
No data available

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-
SAFETY DATA SHEET

73 Disinfecting Acid Bathroom Cleaner

use empty containers. Dispose of in accordance with local, state, and federal regulations.

RCRA - Resource Conservation and Recovery Act Hazardous waste : D002 (Corrosive)

Product AT USE DILUTION Disposal methods : Diluted product can be flushed to sanitary sewer.
Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DCT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Product AT USE DILUTION Not intended for transport.

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPA Registration number : 1677-246

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARATitle III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:
SAFETY DATA SHEET
73 Disinfecting Acid Bathroom Cleaner

United States TSCA Inventory:
On TSCA Inventory

Canadian Domestic Substances List (DSL):
This product contains one or several components that are not on the Canadian DSL nor NDSL.

Australia Inventory of Chemical Substances (AICS):
not determined

New Zealand, Inventory of Chemical Substances:
not determined

Japan, ENCS - Existing and New Chemical Substances Inventory:
not determined

Japan, ISHL - Inventory of Chemical Substances (METI):
not determined

Korea, Korean Existing Chemicals Inventory (KECI):
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
not determined

China, Inventory of Existing Chemical Substances in China (IECSC):
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

HMIS I: I:

Special hazard.

Product AT USE DILUTION

9/10
SAFETY DATA SHEET

73 Disinfecting Acid Bathroom Cleaner

NFPA:

Flammability

Health

1

0

Special hazard:

HMIS III:

HEALTH 1

FLAMMABILITY 0

PHYSICAL HAZARD 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Issuing date : 01/12/2015
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
SAFETY DATA SHEET
QC 54 PEROXIDE GLASS AND SURFACE CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : QC 54 PEROXIDE GLASS AND SURFACE CLEANER
Other means of identification : not applicable
Recommended use : Surface cleaner
Restrictions on use : Reserved for industrial and professional use.
Product dilution information : 0.78 % - 3.03 %

Company : Ecolab Inc.
370 N. Wabasha Street
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency telephone : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date : 06/19/2014

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Skin irritation : Category 2
Serious eye damage : Category 1

Product AT USE DILUTION
Not a hazardous substance or mixture.

GHS Label element
Product AS SOLD
Hazard pictograms : ☢️

Signal Word : Danger

Hazard Statements : Causes skin irritation.
Causes serious eye damage.

Precautionary Statements : Prevention:
Wash skin thoroughly after handling. Wear eye protection/ face protection. Wear protective gloves.
Response:
IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

Product AT USE DILUTION
Precautionary Statements : Prevention:
SAFETY DATA SHEET

QC 54 Peroxide Glass and Surface Cleaner

Wash hands thoroughly after handling.
Response:
Get medical advice/attention if you feel unwell.
Storage:
Store in accordance with local regulations.

Other hazards : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture : Mixture

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>d-gluco-pyanose, oligomeric, decyl octyl glycosides</td>
<td>68515-73-1</td>
<td>1-5</td>
</tr>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1-5</td>
</tr>
<tr>
<td>Alkyl/polyglycosides</td>
<td>110615-47-9</td>
<td>1-5</td>
</tr>
<tr>
<td>Fragrance</td>
<td>Proprietary Ingredient</td>
<td>0-1</td>
</tr>
</tbody>
</table>

Product AT USE DILUTION
Chemical Name                  | CAS-No.    | Concentration (%) |
Fragrance                      | Proprietary Ingredient | 0-1          |

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Product AT USE DILUTION
In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

See toxicological information (Section 11)

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during firefighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulfur oxides
- Oxides of phosphorus

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling : Do not get in eyes, on skin, or on clothing. Wash hands thoroughly
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

after handling.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

Storage temperature: 15 °C to 40 °C

Product AT USE DILUTION
Advice on safe handling: Wash hands after handling. For personal protection see section 8.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>TWA</td>
<td>1 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 ppm</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1.4 mg/m³</td>
<td>OSHA 21</td>
</tr>
</tbody>
</table>

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection: Safety goggles
Face-shield

Hand protection: Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION
Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Skin protection: No special protective equipment required.
# SAFETY DATA SHEET

## QC 54 PEROXIDE GLASS AND SURFACE CLEANER

<table>
<thead>
<tr>
<th>Property</th>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>clear, yellow</td>
<td>yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>sweet</td>
<td>Floral</td>
</tr>
<tr>
<td>pH</td>
<td>4.3 - 5.0, 100 %</td>
<td>6.3 - 7.0</td>
</tr>
<tr>
<td>Flash point</td>
<td>not applicable, Does not sustain combustion.</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>&gt; 100 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>Relative vapor density</td>
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</tr>
<tr>
<td>Relative density</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Solubility in other solvents</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
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<tr>
<td>Autoignition temperature</td>
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<td>Thermal decomposition</td>
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<td>Viscosity, kinematic</td>
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<tr>
<td>Explosive properties</td>
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<td>Oxidizing properties</td>
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<td></td>
</tr>
<tr>
<td>Molecular weight</td>
<td>no data available</td>
<td></td>
</tr>
<tr>
<td>VOC</td>
<td>no data available</td>
<td></td>
</tr>
</tbody>
</table>

## SECTION 10. STABILITY AND REACTIVITY

**Product AS SOLD**
- **Chemical stability**: Stable under normal conditions.
- **Possibility of hazardous reactions**: No dangerous reaction known under conditions of normal use.
- **Conditions to avoid**: None known.
- **Incompatible materials**: Bases
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Hazardous decomposition products: Decomposition products may include the following materials:
- Carbon oxides
- Nitrogen oxides (NOx)
- Sulfur oxides
- Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

Product AS SOLD

Eyes: Causes serious eye damage.

Skin: Causes skin irritation.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: Health injuries are not known or expected under normal use.

Chronic Exposure: Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes: Health injuries are not known or expected under normal use.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: Health injuries are not known or expected under normal use.

Chronic Exposure: Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact: Redness, Pain, Corrosion

Skin contact: Redness, Irritation

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known or expected.

Product AT USE DILUTION

Eye contact: No symptoms known or expected.

Skin contact: No symptoms known or expected.

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known or expected.

Toxicity

Product AS SOLD

Acute oral toxicity: Acute toxicity estimate > 5,000 mg/kg
SAFETY DATA SHEET
QC 54 PEROXIDE GLASS AND SURFACE CLEANER

Acute inhalation toxicity : 4 h Acute toxicity estimate : > 10 mg/l
Acute dermal toxicity : no data available
Skin corrosion/irritation : Skin Irritation
Serious eye damage/eye irritation : Irreversible effects on the eye
Respiratory or skin sensitization : no data available
Carcinogenicity
IARC
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP
No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT-single exposure : no data available
STOT-repeated exposure : no data available
Aspiration toxicity : no data available
Ingredients
Acute dermal toxicity : d-glucopyranose, oligomeric, decyl octyl glycosides
LD50 rabbit : > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects : Harmful to aquatic life.

Product
Toxicity to fish : no data available
Toxicity to daphnia and other aquatic invertebrates : no data available
Toxicity to algae : no data available
Ingredients
Toxicity to fish : Alkylpolyglycosides
96 h LC50 Fish : 5 mg/l

Ingredients
Toxicity to algae : d-glucopyranose, oligomeric, decyl octyl glycosides
72 h EC50 : 18 mg/l
Hydrogen peroxide
SAFETY DATA SHEET
QC 54 Peroxide Glass and Surface Cleaner

72 h EC50: 1.38 mg/l

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

Other adverse effects
no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods
The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

Product AT USE DILUTION
Disposal methods
Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD
The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Lanc transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

Product AT USE DILUTION
Not intended for transport.

SECTION 15. REGULATORY INFORMATION

Product AS SOLD
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>1000</td>
<td>33223</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

- Hydrogen peroxide 7722-84-1 3.01%

SARA 313 : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

1907/2006 (EU) : not determined

Switzerland. New notified substances and declared preparations : not determined

United States TSCA Inventory : Cn TSCA Inventory

Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL.

Australia Inventory of Chemical Substances (AICS) : not determined

New Zealand. Inventory of Chemical Substances : not determined

Japan. ENCS - Existing and New Chemical Substances Inventory : not determined

Japan. ISHL - Inventory of Chemical Substances (METI) : not determined

Korea. Korean Existing Chemicals Inventory (KECI) : not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) : not determined

China. Inventory of Existing Chemical Substances in China (IECSC) :
SAFETY DATA SHEET

QC 54 PEROXIDE GLASS AND SURFACE CLEANER

not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

HMIS III:

HEALTH 3
FLAMMABILITY 0
PHYSICAL HAZARD 0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Product AT USE DILUTION
NFPA:

HMIS III:

HEALTH 0
FLAMMABILITY 0
PHYSICAL HAZARD 0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 06/19/2014
Version : 1.0
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, Information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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SAFETY DATA SHEET
MULTI-PURPOSE DISINFECTANT CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: MULTI-PURPOSE DISINFECTANT CLEANER
Other means of identification: Not applicable
Recommended use: Disinfectant
Restrictions on use: Reserved for industrial and professional use.
Product dilution information: 0.39 %

Company: Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date: 07/03/2018

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Product AS SOLD
Acute toxicity (Oral): Category 4
Acute toxicity (Dermal): Category 4
Skin corrosion: Category 1A
Serious eye damage: Category 1

Product AT USE DILUTION
Acute toxicity (Dermal): Category 4
Eye irritation: Category 2B

GHS label elements
Product AS SOLD
Hazard pictograms: 

Signal Word: Danger
Hazard Statements: Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage.
Precautionary Statements: 
Prevention:
Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response:
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person...

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SAFETY DATA SHEET
MULTI-PURPOSE DISINFECTANT CLEANER

to fresh air and keep comfortable for breathing. Immediately call a
POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. Immediately call a POISON CENTER/doctor. Wash
contaminated clothing before reuse.

Storage:
Store locked up.
Disposal:
Dispose of contents/container to an approved waste disposal plant.

Product AT USE DILUTION

Signal Word: Warning
Hazard Statements:
Causes eye irritation.
Harmful in contact with skin.

Precautionary Statements:
Prevention:
Wash skin thoroughly after handling.
Response:
IF IN EYES: Rinse cautiously with water for several minutes. Remove
contact lenses, if present and easy to do. Continue rinsing. If eye
irritation persists: Get medical advice/attention. IF ON SKIN: Wash
with plenty of water. Call a POISON CENTER/doctor if you feel
unwell. Wash contaminated clothing before reuse.

Disposal:
Dispose of contents/container to an approved waste disposal plant.

Product AS SOLD
Other hazards: None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD
Pure substance/mixture: Mixture

Chemical name
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride
Octyl decyl dimethyl ammonium chloride
Alcohols, C9-11, ethoxylated
ethanol
didecyl Dimethyl Ammonium Chloride
ethylenediamine tetraacetate
dioctyl dimethyl ammonium chloride
disodium metasilicate

CAS-No. 68424-85-1 32426-11-2 68439-46-3 64-17-5 7173-51-5 64-02-8 5538-94-3 6834-92-0
Concentration (%) 8.68 6.51 5 - 10 1 - 5 3.906 1 - 5 2.604 1 - 5

Product AT USE DILUTION

Chemical name
Octyl decyl dimethyl ammonium chloride
Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride
didecyl Dimethyl Ammonium Chloride
dioctyl dimethyl ammonium chloride

CAS-No. 32426-11-2 68424-85-1 7173-51-5 5538-94-3
Concentration (%) 0.0254 0.0339 0.0152 0.0102
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MULTI-PURPOSE DISINFECTANT CLEANER

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

If swallowed: Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders: If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

Product AT USE DILUTION
In case of eye contact: Rinse with plenty of water.

In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops and persists.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Get medical attention if symptoms occur.

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD
Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

Specific hazards during fire fighting: Fire Hazard
Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Hazardous combustion products: Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx)
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

Sulfur oxides
Oxides of phosphorus

Special protective equipment for fire-fighters

Use personal protective equipment.

Specific extinguishing methods

Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Remove all sources of ignition. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Product AT USE DILUTION

Personal precautions, protective equipment and emergency procedures

Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up

Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Product AS SOLD

Advice on safe handling

Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Wash hands thoroughly after handling.

Conditions for safe storage

Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Do not store near acids. Keep away from oxidizing
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER


Storage temperature : 0 °C to 40 °C

Product AT USE DILUTION
Advice on safe handling : Wash hands thoroughly after handling.
Conditions for safe storage : Keep out of reach of children. Store in suitable labeled containers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Product AS SOLD
Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>TWA</td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm 1,900 mg/m3</td>
<td>OSHA 21</td>
</tr>
</tbody>
</table>

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection : Wear eye protection/ face protection.

Hand protection : Wear the following personal protective equipment:
Standard glove type.
Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection : Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION
Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

Respiratory protection : No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance : liquid</td>
<td>liquid</td>
</tr>
<tr>
<td>Color : clear, dark orange</td>
<td>light orange</td>
</tr>
<tr>
<td>Odor : Disinfectants</td>
<td>Disinfectants</td>
</tr>
<tr>
<td>pH : 13.0, (100 %)</td>
<td>10.0</td>
</tr>
<tr>
<td>Flash point : 58 °C closed cup, Does not sustain combustion.</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold : No data available</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point : No data available</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range : &gt; 100 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate : No data available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas) : No data available</td>
<td></td>
</tr>
<tr>
<td>Upper explosion limit : No data available</td>
<td></td>
</tr>
<tr>
<td>Lower explosion limit : No data available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure : No data available</td>
<td></td>
</tr>
<tr>
<td>Relative vapor density : No data available</td>
<td></td>
</tr>
<tr>
<td>Relative density : 0.99 - 1.01</td>
<td></td>
</tr>
<tr>
<td>Water solubility : soluble</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents : No data available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water : No data available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature : No data available</td>
<td></td>
</tr>
<tr>
<td>Thermal decomposition : No data available</td>
<td></td>
</tr>
<tr>
<td>Viscosity, kinematic : No data available</td>
<td></td>
</tr>
<tr>
<td>Explosive properties : No data available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties : The substance or mixture is not classified as oxidizing.</td>
<td></td>
</tr>
<tr>
<td>Molecular weight : No data available</td>
<td></td>
</tr>
<tr>
<td>VOC : No data available</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : Heat, flames and sparks.
Incompatible materials : Acids
Hazardous decomposition : Decomposition products may include the following materials:
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

<table>
<thead>
<tr>
<th>Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon oxides</td>
</tr>
<tr>
<td>Nitrogen oxides (NOx)</td>
</tr>
<tr>
<td>Sulfur oxides</td>
</tr>
<tr>
<td>Oxides of phosphorus</td>
</tr>
</tbody>
</table>

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Inhalation, Eye contact, Skin contact

Potential Health Effects

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Causes serious eye damage.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Causes severe skin burns.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Harmful if swallowed. Causes digestive tract burns.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>May cause nose, throat, and lung irritation.</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Causes eye irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Harmful in contact with skin.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
<tr>
<td>Chronic Exposure</td>
<td>Health injuries are not known or expected under normal use.</td>
</tr>
</tbody>
</table>

Experience with human exposure

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Redness, Pain, Corrosion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>Redness, Pain, Corrosion</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Corrosion, Abdominal pain</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Respiratory irritation, Cough</td>
</tr>
</tbody>
</table>

**Product AT USE DILUTION**

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Redness, Irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin contact</td>
<td>No information available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No symptoms known or expected.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No symptoms known or expected.</td>
</tr>
</tbody>
</table>

Toxicity

**Product AS SOLD**

<table>
<thead>
<tr>
<th>Acute oral toxicity</th>
<th>No data available</th>
</tr>
</thead>
</table>

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# SAFETY DATA SHEET

## MULTI-PURPOSE DISINFECTANT CLEANER

<table>
<thead>
<tr>
<th>Acute inhalation toxicity</th>
<th>: No data available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute dermal toxicity</td>
<td>: Acute toxicity estimate: 2,000 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>: No data available</td>
</tr>
<tr>
<td>Respiratory or skin</td>
<td>: No data available</td>
</tr>
<tr>
<td>sensitization</td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>: No data available</td>
</tr>
<tr>
<td>Reproductive effects</td>
<td>: No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>: No data available</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>: No data available</td>
</tr>
<tr>
<td>STOT-single exposure</td>
<td>: No data available</td>
</tr>
<tr>
<td>STOT-repeated exposure</td>
<td>: No data available</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>: No data available</td>
</tr>
</tbody>
</table>

### Ingredients

**Acute oral toxicity**
- Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride
  - LD50 Rat: 344 mg/kg
- Octyl decyl dimethyl ammonium chloride
  - LD50 Rat: 238 mg/kg
- Alcohols, C9-11, ethoxylated
  - LD50 Rat: 1,400 mg/kg
- Ethanol
  - LD50 Rat: 10,470 mg/kg
- Didecyl Dimethyl Ammonium Chloride
  - LD50 Rat: 1,150 mg/kg
- Ethylenediamine tetraacetate
  - LD50 Rat: 1,700 mg/kg
- Dioctyl dimethyl ammonium chloride
  - LD50 Rat: 238 mg/kg
- Disodium metasilicate
  - LD50 Rat: 500 mg/kg

### Ingredients

**Acute inhalation toxicity**
- Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride
  - 4 h LC50 Rat: 0.054 mg/l
  - Test atmosphere: dust/mist
- Octyl decyl dimethyl ammonium chloride
  - 4 h LC50 Rat: 0.07 mg/l
  - Test atmosphere: dust/mist
- Ethanol
  - 4 h LC50 Rat: 117 mg/l
  - Test atmosphere: vapor
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

Didecyl Dimethyl Ammonium Chloride
4 h LC50 Rat: 0.07 mg/l
Test atmosphere: dust/mist

Diocetyl dimethyl ammonium chloride
4 h LC50 Rat: 0.07 mg/l
Test atmosphere: dust/mist

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects: Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Product
Toxicity to fish: No data available
Toxicity to daphnia and other aquatic invertebrates: No data available
Toxicity to algae: No data available

Ingredients
Toxicity to fish: Octyl decyl dimethyl ammonium chloride
96 h LC50 Fish: 1 mg/l

Alcohols, C9-11, ethoxylated
96 h LC50 Fish: 8.5 mg/l

Ethanol
96 h LC50 Pimephales promelas: > 100 mg/l

Didecyl Dimethyl Ammonium Chloride
96 h LC50 Fish: 1 mg/l

Ethylene diamine tetraacetate
96 h LC50 Fish: 121 mg/l

disodium metasilicate
96 h LC50 Fish: 210 mg/l

Ingredients
Toxicity to daphnia and other aquatic invertebrates: Alkyl (C14, 50%; C12, 40%; C16, 10%) dimethyl benzyl ammonium chloride
48 h EC50 Daphnia magna (Water flea): 0.016 mg/l

Alcohols, C9-11, ethoxylated
48 h EC50 Daphnia magna (Water flea): 5.3 mg/l

Diocetyl dimethyl ammonium chloride
48 h EC50 Daphnia: 0.1 mg/l

Persistence and degradability
Product AS SOLD
Not applicable - Biocide

Product AT USE DILUTION
SAFETY DATA SHEET
MULTI-PURPOSE DISINFECTANT CLEANER

Not applicable - Biocide

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods
Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

D002 (Corrosive)

Product AT USE DILUTION
Disposal methods
Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations
Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD
The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
UN number
3267
Description of the goods
Corrosive liquid, basic, organic, n.o.s.
(quaternary ammonium compound)
Class
8
Packing group
III
Environmentally hazardous
no
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

Sea transport (IMDG/IMO)
UN number : 3267
Description of the goods : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
(quaternary ammonium compound)
Class : 8
Packing group : III
Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPA Registration number : 1677-233

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)
Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302 : This material does not contain any components with a section 302 EHS TPQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory : On the inventory, or in compliance with the inventory

Canadian Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS) : not determined

New Zealand. Inventory of Chemical Substances : On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory : On the inventory, or in compliance with the inventory

Korea. Korean Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory
SAFETY DATA SHEET

MULTI-PURPOSE DISINFECTANT CLEANER

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
On the inventory, or in compliance with the inventory.

China. Inventory of Existing Chemical Substances in China (IECSC):
On the inventory, or in compliance with the inventory.

Taiwan Chemical Substance Inventory (TCSI):
Not determined.

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

HMIS III:

Product AT USE DILUTION
NFPA:

HMIS III:

Issuing date: 07/03/2018
Version: 1.4
Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
SAFETY DATA SHEET

LEMON LIFT

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: LEMON LIFT
Other means of identification: Not applicable
Recommended use: Cleaning product
Restrictions on use: Reserved for industrial and professional use.

Product dilution information: Product is sold ready to use.

Company: Ecolab Inc.
1 Ecolab Place
St. Paul, Minnesota USA 55102
1-800-352-5326

Emergency health information: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date: 04/23/2020

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Skin irritation: Category 2
Eye irritation: Category 2A

GHS label elements
Hazard pictograms: ⚠️

Signal Word: Warning

Hazard Statements: Causes skin irritation. Causes serious eye irritation.

Precautionary Statements: Prevention: Wash skin thoroughly after handling. Wear protective gloves/eye protection/face protection. Response: IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Other hazards: Mixing this product with acid or ammonia releases chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

Chemical name
sodium hypochlorite
CAS-No.: 7681-52-9
Concentration (%): 1 - 5

912485
SAFETY DATA SHEET

LEMON LIFT

Secondary Alkanesulphonates 5324-84-5 1 - 5
Fragrance Proprietary Ingredient 0.1 - 1

SECTION 4. FIRST AID MEASURES

In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Get medical attention if irritation develops and persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
Carbon oxides
Sulfur oxides

Special protective equipment for fire-fighters : Use personal protective equipment.

Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Do not allow contact with soil, surface or ground water.

Methods and materials for : Stop leak if safe to do so. Contain spillage, and then collect with non-
SAFETY DATA SHEET

LEMON LIFT

containment and cleaning up: combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Avoid contact with skin and eyes. Wash hands thoroughly after handling. Mixing this product with acid or ammonia releases chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).


Storage temperature: 5 °C to 40 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hypochlorite</td>
<td>7681-52-9</td>
<td>STEL</td>
<td>2 mg/m3</td>
<td>AIHA WEEL</td>
</tr>
<tr>
<td>1-octene</td>
<td>111-66-0</td>
<td>TWA</td>
<td>75 ppm</td>
<td>AIHA WEEL</td>
</tr>
<tr>
<td>sodium metabisulphite</td>
<td>7681-57-4</td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>5 mg/m3</td>
<td>ACGIH</td>
</tr>
</tbody>
</table>

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: Safety glasses with side-shields

Hand protection: Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid

Color: amber

Odor: citrus

pH: 12.6, (100 %)
SAFETY DATA SHEET

LEMON LIFT

Flash point : Not applicable
Odor Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : 100 °C
Evaporation rate : No data available
Flammability (solid, gas) : Not applicable
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Relative density : 1.047
Water solubility : No data available
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : No data available
Thermal decomposition : No data available
Viscosity, kinematic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Molecular weight : No data available
VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Mixing this product with acid or ammonia releases chlorine gas.
Conditions to avoid : None known.
Incompatible materials : Acids
Hazardous decomposition products : Decomposition products may include the following materials:
Carbon oxides
Sulfur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes serious eye irritation.
SAFETY DATA SHEET

LEMON LIFT

Skin : Causes skin irritation.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure
Eye contact : Redness, Pain, Irritation
Skin contact : Redness, Irritation
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity
Product
Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg
Acute inhalation toxicity : No data available
Acute dermal toxicity : No data available
Skin corrosion/Irritation : No data available
Serious eye damage/eye irritation : No data available
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
STOT-single exposure : No data available
STOT-repeated exposure : No data available
Aspiration toxicity : No data available

Components
Acute dermal toxicity : sodium hypochlorite
LD50 Rabbit: > 10,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity
Environmental Effects : Toxic to aquatic life.

Product
Toxicity to fish : 96 h LC50: 7.5 mg/l
Toxicity to daphnia and other : No data available
SAFETY DATA SHEET

LEMON LIFT

aquatic invertebrates
Toxicity to algae : No data available

Components
Toxicity to daphnia and other aquatic invertebrates : sodium hypochlorite
48 h EC50: 0.071 mg/l
Secondary Alkanesulfonates
48 h EC50 Daphnia: 3,200 mg/l

Persistence and degradability
Not applicable - inorganic

Bioaccumulative potential
No data available

Mobility in soil
No data available

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not reuse empty containers. Dispose of in accordance with local, state, and federal regulations.


SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
Not dangerous goods

Sea transport (IMDG/IMO)
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know
SAFETY DATA SHEET

LEMON LIFT

CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium hypochlorite</td>
<td>7681-52-9</td>
<td>100</td>
<td>5000</td>
</tr>
</tbody>
</table>

CERCLA Reportable Quantity
This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Skin corrosion or irritation
Serious eye damage or eye irritation

SARA 302: This material does not contain any components with a section 302 EHS TPQ.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>sodium hypochlorite</td>
<td>7681-52-9</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Secondary Alkanesulfonates</td>
<td>5324-84-5</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>Buffer</td>
<td>20</td>
</tr>
<tr>
<td>Sulfonic acid salt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fragrance Ingredient(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonionic Surfactant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic sulfonic acid salt</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzyl benzoate</td>
<td>120-51-4</td>
<td>Fragrance</td>
<td>FRA</td>
</tr>
<tr>
<td>Limonene</td>
<td>5989-27-5</td>
<td>Fragrance</td>
<td>FRA</td>
</tr>
</tbody>
</table>

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

Switzerland. New notified substances and declared preparations: not determined

United States TSCA Inventory: On TSCA Inventory

Canadian Domestic Substances List (DSL): All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS): not determined
SAFETY DATA SHEET

LEMON LIFT

New Zealand. Inventory of Chemical Substances:
not determined

Japan. ENCS - Existing and New Chemical Substances Inventory:
not determined

Korea. Korean Existing Chemicals Inventory (KECI):
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
not determined

China. Inventory of Existing Chemical Substances in China (IECSC):
not determined

Taiwan Chemical Substance Inventory (TCSI):
not determined

SECTION 16. OTHER INFORMATION

NFPA:

HMIS III:

Issuing date: 04/23/2020
Version: 1.3
Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
SAFETY DATA SHEET

Product Name: Clorox® Bleach Wipes

EPA Registration Number: 67619-12-5813

Recommended use: Moistened disinfecting bleach wipes
Uses advised against: No information available

Supplier Address:
The Clorox Company
1221 Broadway
Oakland, CA 94612

Phone: 1-510-271-7000

Emergency Phone Numbers:
For Medical Emergencies call: 1-800-446-1014
For Transportation Emergencies, call Chemtrec: 1-800-424-3300

Page 1/9
2. HAZARDS IDENTIFICATION

Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical State</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear, colorless liquid absorbed into white, non-woven wipes</td>
<td>Thin liquid absorbed into non-woven wipes</td>
<td>Fruity, floral, bleach</td>
</tr>
</tbody>
</table>

Precautionary Statements - Prevention
None

Precautionary Statements - Response
None

Precautionary Statements - Storage
None

Precautionary Statements - Disposal
None

Hazards not otherwise classified (HNOC)
Not applicable

Unknown Toxicity
21.8% of the mixture consists of ingredient(s) of unknown toxicity

Other information
No information available

Interactions with Other Chemicals
Reacts with other chemicals such as ammonia, toilet bowl cleaners, rust removers or acids to produce hazardous gases, such as chlorine and other chlorinated compounds.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains no substances that at their given concentrations are considered to be hazardous to health.
4. FIRST AID MEASURES

First aid measures

General Advice
Show this safety data sheet to the doctor in attendance.

Eye Contact
Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. If present, remove contact lenses after the first 5 minutes of rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.

Skin Contact
Rinse skin with plenty of water. If irritation persists, call a doctor.

Inhalation
Move to fresh air. If breathing problems develop, call a doctor.

Ingestion
Drink a glassful of water. Call a doctor or poison control center.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Liquid may cause eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media
CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the Chemical

Hazardous Combustion Products
Oxides of carbon.

Explosion Data

Sensitivity to Mechanical Impact
No.

Sensitivity to Static Discharge
No.

Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Avoid contact with eyes.

Other Information
Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental Precautions
See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up
Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage
Keep containers tightly closed in a dry, cool, and well-ventilated place.

Incompatible Products
Ammonia, toilet bowl cleaners, rust removers, and acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product does not contain any ingredients with occupational exposure limits that are at concentrations below their cut-off values/concentrations and that contribute to the hazard classification of the product.

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
No special protective equipment required.

Skin and Body Protection
No special protective equipment required.

Respiratory Protection
No protective equipment is needed under normal use conditions. If irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice.
# 9. PHYSICAL AND CHEMICAL PROPERTIES

## Physical and Chemical Properties

### Physical State
- Thin liquid absorbed into non-woven wipes

### Appearance
- Clear liquid absorbed into non-woven wipes

### Color
- Colorless liquid - white non-woven wipes

### Odor
- Fruity, floral, bleach

### Odor Threshold
- No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>12 - 12.5 (liquid)</td>
<td>None known</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Upper flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower flammability limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>~1.0 (liquid)</td>
<td>None known</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Complete (liquid)</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not explosive</td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No data available</td>
<td></td>
</tr>
</tbody>
</table>

### Other Information
- Softening Point: No data available
- VOC Content (%): No data available
- Particle Size: No data available
- Particle Size Distribution: No data available
10. STABILITY AND REACTIVITY

Reactivity
Reacts with other chemicals such as ammonia, toilet bowl cleaners, rust removers or acids to produce hazardous gases, such as chlorine and other chlorinated compounds.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
None known based on information supplied.

Incompatible materials
Ammonia, toilet bowl cleaners, rust removers, and acids.

Hazardous Decomposition Products
None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

- Inhalation
  Exposure to vapor or mist may irritate respiratory tract.

- Eye Contact
  Liquid may cause irritation.

- Skin Contact
  Liquid may cause slight irritation.

- Ingestion
  Ingestion of liquid may cause slight irritation to mucous membranes and gastrointestinal tract.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg) (Rat)</th>
<th>LD50 Dermal (mg/kg) (Rabbit)</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite</td>
<td>8200</td>
<td>&gt;10000</td>
<td>-</td>
</tr>
<tr>
<td>7581-52-9</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Information on toxicological effects:

Symptoms
Liquid may cause redness and tearing of eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
No information available.

Mutagenic Effects
No information available.
Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypocholorite 7681-32-9</td>
<td>-</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

IARC (International Agency for Research on Cancer)
Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive Toxicity
No information available.

STOT - single exposure
No information available.

STOT - repeated exposure
No information available.

Chronic Toxicity
No known effect based on information supplied.

Target Organ Effects
Respiratory system, eyes, skin, gastrointestinal tract (GI).

Aspiration Hazard
No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document
No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity
No information available.

Persistence and Degradability
No information available.

Bioaccumulation
No information available.

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Dispose of in accordance with all applicable federal, state, and local regulations.

Contaminated Packaging
Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT
Not regulated.

TDG
Not regulated.

ICAO
Not regulated.

IATA
Not regulated

IMDG/IMO
Not regulated
15. REGULATORY INFORMATION

Chemical Inventories

TSCA

All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

DSL/NDSL

All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372

SARA 311/312 Hazard Categories

- Acute Health Hazard: No
- Chronic Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite 7681-52-9</td>
<td>100 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>Sodium hydroxide 1310-73-2</td>
<td>1000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite 7681-52-9</td>
<td>100 lb</td>
<td></td>
<td>RQ 100 lb final RQ</td>
</tr>
<tr>
<td>Sodium hydroxide 1310-73-2</td>
<td>1000 lb</td>
<td></td>
<td>RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Liquid causes moderate eye irritation. Do not get in eyes or on clothing. Avoid contact with clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. For sensitive skin or prolonged use, wear gloves.
US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
<th>Rhode Island</th>
<th>Illinois</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hypochlorite 7681-52-9</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Sodium hydroxide 1310-73-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

International Regulations

Canada
WHMIS Hazard Class
Non-controlled

16. OTHER INFORMATION

NFPA Health Hazard 1 Flammability 0 Instability 0 Physical and Chemical Hazards -
HMIS Health Hazard 1 Flammability 0 Physical Hazard 0 Personal Protection -

Prepared By
Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Preparation/Revision Date January 5, 2015
Revision Note New
Reference 1047092/153737.001

General Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet
SAFETY DATA SHEET
65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Cleaner and disinfectant</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>Reserved for industrial and professional use.</td>
</tr>
<tr>
<td>Product dilution information</td>
<td>2.3 % - 9.375 %</td>
</tr>
</tbody>
</table>

| Company                           | Ecolab Inc.                                       |
|                                   | 1 Ecolab Place                                    |
|                                   | St. Paul, Minnesota USA 55102                     |
|                                   | 1-800-352-5326                                    |
| Emergency health information      | 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US) |
| Issuing date                      | 12/12/2019                                       |

SECTION 2. HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>GHS Classification</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (Oral)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Skin corrosion</td>
<td>Category 1A</td>
</tr>
<tr>
<td>Serious eye damage</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product AT USE DILUTION</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritation</td>
<td>Category 2B</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GHS label elements</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard pictograms</td>
<td>![Safety Symbol]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal Word</th>
<th>Danger</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Statements</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td></td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Precautionary Statements</th>
<th>Prevention:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/ protective clothing/ eye protection/ face protection. Do not mix with bleach or other chlorinated products – will cause chlorine gas.</td>
</tr>
<tr>
<td>Response:</td>
<td>IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.</td>
</tr>
<tr>
<td></td>
<td>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing.</td>
</tr>
<tr>
<td></td>
<td>Rinse skin with water/ shower. IF INHALED: Remove victim to fresh</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

Air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Wash contaminated clothing before reuse.

Storage:
Store locked up.

Disposal:
Dispose of contents/ container to an approved waste disposal plant.

<table>
<thead>
<tr>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal Word</td>
</tr>
<tr>
<td>Warning</td>
</tr>
<tr>
<td>Hazard Statements</td>
</tr>
<tr>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Precautionary Statements</td>
</tr>
<tr>
<td>Prevention:</td>
</tr>
<tr>
<td>Wash skin thoroughly after handling.</td>
</tr>
<tr>
<td>Response:</td>
</tr>
<tr>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.</td>
</tr>
</tbody>
</table>

Product AS SOLD
Other hazards: Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Product AT USE DILUTION
Other hazards: Do not mix with bleach or other chlorinated products – will cause chlorine gas.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Pure substance/mixture</th>
<th>Mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical name</td>
<td>CAS-No.</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
</tr>
<tr>
<td>Surfactant</td>
<td>Proprietary Ingredient</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), alpha-undecyl-omega-hydroxy-citric acid</td>
<td>34398-01-1</td>
</tr>
<tr>
<td>Octanoic acid</td>
<td>124-07-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>1 - 5</td>
</tr>
<tr>
<td>Octanoic acid</td>
<td>124-07-2</td>
<td>0.29</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Product AS SOLD
In case of eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

In case of skin contact: Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : If potential for exposure exists refer to Section 8 for specific personal protective equipment.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : See Section 11 for more detailed information on health effects and symptoms.

<table>
<thead>
<tr>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>In case of eye contact</td>
</tr>
<tr>
<td>In case of skin contact</td>
</tr>
<tr>
<td>If swallowed</td>
</tr>
<tr>
<td>If inhaled</td>
</tr>
</tbody>
</table>

SECTION 5. FIRE-FIGHTING MEASURES

Product AS SOLD

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : None known.

Specific hazards during fire fighting : Not flammable or combustible.

Hazardous combustion products : Decomposition products may include the following materials:
- Carbon oxides
- Oxides of phosphorus

Special protective equipment for fire fighters : Use personal protective equipment.

Specific extinguishing methods : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Product AS SOLD

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
# SAFETY DATA SHEET

## 65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

<table>
<thead>
<tr>
<th>Environmental precautions</th>
<th>Do not allow contact with soil, surface or ground water.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methods and materials for containment and cleaning up</td>
<td>Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.</td>
</tr>
</tbody>
</table>

### Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Personal precautions, protective equipment and emergency procedures</th>
<th>Refer to protective measures listed in sections 7 and 8.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental precautions</td>
<td>Do not allow contact with soil, surface or ground water.</td>
</tr>
<tr>
<td>Methods and materials for containment and cleaning up</td>
<td>Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.</td>
</tr>
</tbody>
</table>

## SECTION 7. HANDLING AND STORAGE

### Product AS SOLD

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
<th>Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions for safe storage</td>
<td>Keep away from strong bases. Keep out of reach of children. Store in suitable labeled containers.</td>
</tr>
<tr>
<td></td>
<td>Keep only in original packaging. Absorb spillage to prevent material damage.</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>0 °C to 50 °C</td>
</tr>
</tbody>
</table>
| Packaging material | Suitable material: Plastic material
Unsuitable material: Aluminum, M11 steel |

### Product AT USE DILUTION

<table>
<thead>
<tr>
<th>Advice on safe handling</th>
<th>Wash hands thoroughly after handling. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conditions for safe storage</td>
<td>Keep out of reach of children. Store in suitable labeled containers.</td>
</tr>
</tbody>
</table>

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Product AS SOLD

<table>
<thead>
<tr>
<th>Ingredients with workplace control parameters</th>
<th></th>
</tr>
</thead>
</table>

910771 4/11
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Form of exposure</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>3 mg/m³</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEL</td>
<td>3 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
<td>OSHA Z1</td>
</tr>
</tbody>
</table>

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

Eye protection: Wear eye protection/ face protection.

Hand protection: Wear the following personal protective equipment:
- Standard glove type.
- Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Skin protection: Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing.

Respiratory protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Skin protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Product AS SOLD</th>
<th>Product AT USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Color</td>
<td>pink</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral</td>
</tr>
<tr>
<td>pH</td>
<td>1.0, (100 %)</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td></td>
<td>liquid</td>
</tr>
<tr>
<td></td>
<td>light pink</td>
</tr>
<tr>
<td></td>
<td>Floral</td>
</tr>
<tr>
<td></td>
<td>1.0 - 3.0</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

Odor Threshold : No data available
Melting point/freezing point : No data available
Initial boiling point and boiling range : No data available
Evaporation rate : No data available
flammability (solid, gas) : Not applicable
Upper explosion limit : No data available
Lower explosion limit : No data available
Vapor pressure : No data available
Relative vapor density : No data available
Relative density : 1.144
Water solubility : soluble
Solubility in other solvents : No data available
Partition coefficient: n-octanol/water : No data available
Autoignition temperature : No data available
Thermal decomposition : No data available
Viscosity, kinematic : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Molecular weight : No data available
VOC : No data available

SECTION 10. STABILITY AND REACTIVITY

Product AS SOLD
Reactivity : No dangerous reaction known under conditions of normal use.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Do not mix with bleach or other chlorinated products – will cause chlorine gas.
Conditions to avoid : None known.
Incompatible materials : Bases
Metals
Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon oxides
Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

Product AS SOLD

Eyes : Causes serious eye damage.
Skin : Causes severe skin burns.
Ingestion : Harmful if swallowed. Causes digestive tract burns.
Inhalation : May cause nose, throat, and lung irritation.
Chronic Exposure : Health injuries are not known or expected under normal use.

Product AT USE DILUTION

Eyes : Causes eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.
Chronic Exposure : Health injuries are not known or expected under normal use.

Experience with human exposure

Product AS SOLD

Eye contact : Redness, Pain, Corrosion
Skin contact : Redness, Pain, Corrosion
Ingestion : Corrosion, Abdominal pain
Inhalation : Respiratory irritation, Cough

Product AT USE DILUTION

Eye contact : Redness, Irritation
Skin contact : No symptoms known or expected.
Ingestion : No symptoms known or expected.
Inhalation : No symptoms known or expected.

Toxicity

Product AS SOLD

Product

Acute oral toxicity : LD50 Rat: 1,500 mg/kg
Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg
Skin corrosion/irritation : Corrosive
Respiratory or skin sensitization : No data available
Carcinogenicity : No data available
Reproductive effects : No data available
Germ cell mutagenicity : No data available
Teratogenicity : No data available
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

STOT-single exposure: No data available
STOT-repeated exposure: No data available
Aspiration toxicity: No data available

SECTION 12. ECOLOGICAL INFORMATION

Product AS SOLD
Ecotoxicity
Environmental Effects: Harmful to aquatic life.

Product
Toxicity to fish: No data available
Toxicity to daphnia and other aquatic invertebrates: No data available
Toxicity to algae: No data available

Components
Toxicity to fish:
- poly(oxy-1,2-ethanediyl).alpha.-undecyl.-omega.-hydroxy-
  96 h LC50 Pimephales promelas: 5.5 mg/l
- citric acid
  96 h LC50 Fish: > 100 mg/l
- Octanoic acid
  96 h LC50 Lepomis macrochirus (Bluegill sunfish): 22 mg/l

Components
Toxicity to daphnia and other aquatic invertebrates:
- Phosphoric acid
  48 h EC50 Daphnia magna (Water flea): > 100 mg/l
- poly(oxy-1,2-ethanediyl).alpha.-undecyl.-omega.-hydroxy-
  48 h EC50 Daphnia magna (Water flea): 5.5 mg/l

Components
Toxicity to algae:
- Phosphoric acid
  72 h EC50 Desmodesmus subspicatus (green algae): > 100 mg/l
- poly(oxy 1,2 ethanediyl).alpha.-undecyl.-omega.-hydroxy-
  96 h EC50: 5.5 mg/l

Persistence and degradability
Product AS SOLD
Not applicable - Biocide

Product AT USE DILUTION
Not applicable - Biocide

Bioaccumulative potential
No data available

Mobility in soil
No data available
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

Other adverse effects
No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Product AS SOLD
Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

Product AT USE DILUTION
Disposal methods : Diluted product can be flushed to sanitary sewer.
Disposal considerations : Dispose of in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)
UN number : 1805
Description of the goods : Phosphoric acid solution
Class : 8
Packing group : III
Environmentally hazardous : no

Sea transport (IMDG/IMO)
UN number : 1805
Description of the goods : PHOSPHORIC ACID SOLUTION
Class : 8
Packing group : III
Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

Product AS SOLD

EPA Registration number : 1677-204
EPCRA - Emergency Planning and Community Right-to-Know
CERCLA Reportable Quantity

910771
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>5000</td>
<td>24393</td>
</tr>
</tbody>
</table>

SARA 304 Extremely Hazardous Substances Reportable Quantity
This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards
- Skin corrosion or irritation
- Serious eye damage or eye irritation
- Acute toxicity (any route of exposure)

SARA 302
- This material does not contain any components with a section 302 EHS TPQ.

SARA 313
- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defect.

California Cleaning Product Right to Know Act of 2017 (SB 258)
This regulation applies to this product:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>water</td>
<td>7732-18-5</td>
<td>Diluent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Phosphoric acid</td>
<td>7664-38-2</td>
<td>Cleaning Agent</td>
<td>20</td>
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<tr>
<td>Surfactant</td>
<td>Not Available</td>
<td>Processing Aid</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>poly(oxy-1,2-ethanediyl), .alpha.-undecyl-omega.-hydroxy-</td>
<td>34398-01-1</td>
<td>Processing Aid</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>citric acid</td>
<td>77-92-9</td>
<td>Cleaning Agent</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Octanoic acid</td>
<td>124-07-2</td>
<td>Biocide</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Amphoteric surfactant</td>
<td>Withheld</td>
<td>Processing Aid</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Hexyl cinnamal</td>
<td>101-86-0</td>
<td>Fragrance</td>
<td>FRA</td>
</tr>
<tr>
<td>2-(4-tert-Butylbenzyl) propionald-hyd</td>
<td>80-54-6</td>
<td>Fragrance</td>
<td>FRA</td>
</tr>
<tr>
<td>Colorant</td>
<td>Withheld</td>
<td>Dye</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

*refer to ecolab.com/sds for electronic links to designated lists

The ingredients of this product are reported in the following inventories:

United States TSCA Inventory:
All substances listed as active on the TSCA inventory

Canadian Domestic Substances List (DSL):
All components of this product are on the Canadian DSL

Australia Inventory of Chemical Substances (AICS):
On the inventory, or in compliance with the inventory

New Zealand, Inventory of Chemical Substances:
not determined

Japan, ENCS - Existing and New Chemical Substances Inventory:
not determined
SAFETY DATA SHEET

65 DISINFECTING HEAVY DUTY ACID BATHROOM CLEANER

Korea. Korean Existing Chemicals Inventory (KECI):
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS):
not determined

China. Inventory of Existing Chemical Substances in China (IECSC):
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI):
not determined

SECTION 16. OTHER INFORMATION

Product AS SOLD
NFPA:

HMIS III:

<table>
<thead>
<tr>
<th></th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>3</td>
<td>0</td>
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</tbody>
</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Product AT USE DILUTION
NFPA:

HMIS III:

<table>
<thead>
<tr>
<th></th>
<th>HEALTH</th>
<th>FLAMMABILITY</th>
<th>PHYSICAL HAZARD</th>
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</thead>
<tbody>
<tr>
<td></td>
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</table>

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic

Issuing date : 12/12/2019
Version : 1.2
Prepared by : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
Appendix 4
Current Schedule
Housekeeping Schedule

Sunday – Thursday (Initial Cleaning and 1st Round Disinfecting)
  Shift 1: 11:30 PM to 8:00 AM

Monday – Friday (Initial Clean and 1st Round Disinfecting)
  Summer Hours
  Shift 2: 6:30 AM to 3:00 PM
  Shift 3: 7:00 AM to 3:30 PM

  In Session Hours
  Shift 2: 4:30 AM to 1:00 PM
  Shift 3: 7:00 AM to 3:30 PM

Monday – Friday (Start shift with initial Clean and 1st Round Disinfecting, switch to 2nd round disinfecting and 3rd round disinfecting for designated buildings)
  Shift 4: 8:30 AM to 5:00 PM

Friday and Saturday
  Shift 9:00 PM to 5:30 AM

Saturday and Sunday
  Shift 7:00 AM to 3:30 PM

Offices will be cleaned Tuesdays and Thursdays

Trades and Grounds Schedule

Monday – Friday
  Shift 1: 6:00 AM to 2:30 PM
  Shift 2: 7:30 AM to 4:00 PM
  Shift 3: 9:00 AM to 5:30 PM
  Shift 4: 3:00 PM to 11:30 PM

Saturday
  Shift 1: 6:00 AM to 2:30 PM
  Shift 2: 7:30 AM to 3:30 PM
Shift 3: 3:00 PM to 11:30 PM

Sunday

Shift 1: 7:30 AM to 3:30 PM

Shift 2: 3:00 PM to 11:30 PM
Appendix 5

Water Quality Test Procedure
Water Treatment

With the concern over the COVID-19 Pandemic, water quality has become a recent concern due to building shutdowns. Buildings and Ground have referred to the EPA Guidelines along with contacting water quality specialists to ensure the safety of our water supply on campus.

In an effort to evaluate water quality, we reviewed and answered the following questions to verify compliance.

1. Maintained your hot water heaters/storage tanks at temperatures above 140 °F?
2. If not to above, have you drained your hot water heaters/tanks?
3. Have you periodically opened faucets in buildings that are not in use?
4. Have you inspected p-traps or taken action to ensure p-traps are full in empty buildings?
5. Have you periodically run/flushed eyewash stations?

Even though some buildings were officially closed since March, Housekeeping has been maintaining a cleaning cycle of three times per week since we noticed people were still using the buildings. As a result, water did not sit stagnant inside the pipes and the system remained active. Since most residence buildings and the Scandling Center were open for students still living on campus, those buildings’ water systems were continually in use.

Buildings and Grounds have been actively maintaining mechanical systems throughout campus. All water heaters and storage tanks continued to be maintained above the 140 °F requirement and water temperatures were not set back in any of the closed buildings.

Both eyewash stations and emergency shower stations have been set on a monthly preventative maintenance (PM) cycle prior to the Pandemic and continued to be tested monthly during the shutdown.

Prior to reopening, Buildings and Grounds will be following the attached EPA guidelines Restoring Water Quality in Buildings for Reopening. Our plan will include draining and refilling hot water storage tanks and flushing the buildings systems prior to opening.
RESTORING WATER QUALITY IN BUILDINGS FOR REOPENING

CHECKLIST

Building and business closures for weeks or months reduce water usage, potentially leading to stagnant water inside building plumbing. This water can become unsafe to drink or otherwise use for personal or commercial purposes. EPA recommends that building owners, building managers, and businesses take steps to flush the building’s plumbing before reopening.

1 BEFORE FLUSHING BUILDINGS

☐ Contact your water utility about local water quality and to coordinate maintenance activities.
☐ Check information from your local public health department for any local requirements for reopening.
☐ Follow appropriate regulations and policies for worker safety and health.

2 STEPS FOR FLUSHING BUILDINGS

☐ Review how water moves through your building, from the street to each point of use.
☐ Inspect the plumbing.
☐ Maintain any water treatment systems (e.g., filters, water-softeners) following manufacturer’s instructions.
☐ Ensure the hot water system is operating as specified.
☐ Flush the service line that runs from the water main to the building.
☐ Flush the cold water lines.
☐ Drain and clean water storage facilities and hot water heaters.
☐ Flush the hot water lines.
☐ Hush, clean, and maintain devices connected to the plumbing system following manufacturer’s instructions.

Consider checking water quality parameters to verify that fresh water is being flushed through the entire plumbing system.

3 OTHER ACTIONS TO CONSIDER

☐ Notify your building occupants of the status of the water systems and the flushing program.
☐ Limit access to or use of the water as an appropriate cautionary phase.
☐ Determine if proactive disinfection/heat treatment is necessary.
☐ Develop a water management program.

For more information, please visit EPA.GOV/CORONAVIRUS
HVAC Systems

The B&G response regarding HVAC systems is based on guidance from The American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) in order to follow best practices. ASHRAE has published guidance regarding HVAC systems and COVID-19. It is important to note that many of the recommendations proposed to reduce the COVID-19 risk are contradictory to energy savings measures commonly proposed or employed. New York will most likely offer additional and specific guidance regarding HVAC recommendations and requirements, and our documents will be adapted to that new information.

At HWS we have air systems ranging from the very complex Gearan Center for the Performing Arts with its sophisticated HVAC systems and sensitivity to temperature and humidity swings, to basic houses where it’s possible to simply throw open a window. Building evaluations will continue according to type, system, and use as we develop and refine ventilation solutions.

Strategies that maximize the exchange or dilution of air in a space are most effective at reducing virus transmission. Air filtration is a next consideration. Other solutions such as bi-polar ionization and UVC lighting are also approaches that may be considered in special circumstances. The following suggestions are derived from the ASHRAE Position Document on Infectious Aerosols (April 14, 2020).

ASHRAE recommended HVAC strategies where applicable including:
- Increase outdoor air ventilation (disable demand-controlled ventilation and open outdoor air dampers to 100% as indoor and outdoor conditions permit).
- Improve central air and other HVAC filtration to the highest level achievable. Do not increase the frequency of air filter changes above manufacturers suggested frequency.
- Keep systems running longer to flush buildings.
- Bypass energy recovery ventilation systems.
- Monitor and control temperature and humidity.
- Use local exhaust ventilation where appropriate (open doors, windows, etc.)

At Hobart and William Smith we are evaluating for implementation the following strategies:
- Increase preventative maintenance activities to assure that the HVAC units are operating at maximum efficiency and effectiveness.
- Disable demand controlled ventilation so that air is exchanged based on air changes per hour methodology
  - Disable CO2 sensors
  - Turn off energy recovery ventilation systems
- Open outside air dampers up to 100% where possible and appropriate. We may need to balance comfort with air quality in some cases.
- Increase air filters to the highest level possible at each unit, up to MERV 13, and continue to change filters at manufacturers recommended intervals.
- Adjust HVAC unit run times to maximize air exchanges; conserving energy where possible.
Appendix 7

Tracking Logs
## HOUSEKEEPING LOG

<table>
<thead>
<tr>
<th>Building</th>
<th>Areas</th>
<th>Date</th>
<th>Time Start</th>
<th>Time Complete</th>
<th>Clean</th>
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<th>Initials</th>
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### Contractor Daily Sign in Log

<table>
<thead>
<tr>
<th>Date</th>
<th>Building</th>
<th>Name</th>
<th>Company</th>
<th>Time in</th>
<th>Time out</th>
<th>Time in</th>
<th>Time out</th>
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</tbody>
</table>
COVID-19 Sodexo Employee Screening

This questionnaire must be REVIEWED DAILY by all contractor employees working at Hobart and William Smith Colleges prior to their beginning work on campus or entering a campus building. It is expected that these questions are evaluated prior to entering the campus, and attested to upon arrival. If you answer "Yes" to any of the questions, please contact your supervisor immediately, and do not come on campus. If you start to feel sick, go home and contact your supervisor. Direct all questions and concerns to the office of Buildings and Grounds (315-781-3660).

1. Do you currently have a fever (temperature of 100.4 F or greater) without having taken any fever-reducing medications or that is not usual for you?

   | O Yes | O No | O Unable to measure |

2. Have you experienced any of the following COVID-19 related symptoms in the past 14 days: cough, shortness of breath or difficulty breathing, fever, chills, muscle pain, sore throat, or loss of taste or smell that is not usual?

   | O Yes | O No |

3. Have you tested positive for COVID-19 in the past 14 days, or have you been instructed by a health care professional/public health official/contact tracing app to self-isolate or quarantine? *

   | O Yes | O No |

4. Have you knowingly been in close (within 6 feet) or proximate (same enclosed environment, such as an office, but greater than 6 feet) contact with anyone who has tested positive for COVID-19 or who has or had symptoms of COVID-19 within the past 14 days? *

   | O Yes | O No |

5. Have you, or anyone you live with, traveled outside New York State in the last 14 days? If so, please list the state(s) traveled to, and the duration of your stay.

   | O Yes | O No |

If you answered YES to having any symptoms or having been exposed to COVID-19 do not report to work and contact your supervisor immediately.

Acknowledgement

Name:

Company:

Phone:

Buildings Accessed Today?

All questions are required to be answered, and your signature in the daily log book is affirmation that you confirm NO answers to the above. Any Yes answers must be reviewed immediately with your supervisor, and that supervisor will communicate immediately with Buildings and Grounds at (315) 781-3660.
<table>
<thead>
<tr>
<th>Employee Print Name (First &amp; Last)</th>
<th>Employee Signature</th>
<th>Date</th>
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</table>
Appendix 8

Building Layout Drawings
Administrative Building Drawing List

1. 10 College Ave
2. 20 Seneca first floor
3. 20 Seneca second floor
4. 20 Seneca third floor
5. 22 Castle 1st floor
6. 22 Castle 2nd floor
7. 22 Castle 3rd floor
8. 288 Pulteney Street 1st floor
9. 288 Pulteney Street 2nd floor
10. 451 Pulteney 1st floor
11. 451 Pulteney 2nd floor
12. Centennial Center and Seneca Room – Lake View
13. Centennial Center and Seneca Room – 1st floor
14. Centennial Center and Seneca Room – 2nd floor
15. The Barn – 1st floor
16. The Barn – 2nd Floor
17. Field house 1st floor
18. Field house 2nd floor
20. Bristol Gym – 1st floor
21. Bristol Gym – 2nd floor
22. Carriage House – 1st floor
23. Coxe Hall – Basement
24. Coxe Hall – 1st floor
25. Coxe Hall – 2nd floor
26. Coxe Hall – 3rd floor
27. Delancey 1st floor
28. Delancey 2nd floor
29. Demarest Basement
30. Demarest 1st floor
31. Demarest 2nd floor
32. Demarest 3rd floor
33. Eaton Basement
34. Eaton 1st floor
35. Eaton 2nd floor
36. Eaton 3rd floor
37. Elliot Studio Arts
38. 601 S. Main Basement
39. 601 S. Main 1st floor
40. 601 S. Main 2nd Floor
41. Gearan Center 1st floor
42. Gearan Center 2nd floor
43. Gearan Center 3rd floor
44. Gulick 1st floor
45. Gulick 2nd floor
46. Houghton House Basement
47. Houghton House 1st floor
48. Houghton House 2nd floor
49. Houghton House 3rd floor
50. Lansing Basement
51. Lansing 1st floor
52. Lansing 2nd floor
53. Lansing 3rd floor
54. Merritt Basement
55. Merritt 1st floor
56. Merritt 2nd floor
57. Napier – Rosenberg Basement
58. Napier – 1st floor
59. Napier – 2nd floor
60. Napier – 3rd floor
61. Perkins Observatory
62. Scandling 1st floor
63. Scandling 2nd floor
64. Smith Basement
65. Smith 1st floor
66. Smith 2nd floor
67. Smith 3rd floor
68. Stern 1st floor
69. Stern 2nd floor
70. Stern 3rd floor
71. Trinity 1st floor
72. Trinity 2nd floor
73. Trinity 3rd floor
74. Williams Basement
75. Williams 1st floor
76. Williams 2nd floor
77. Winn-Seeley
78. Hockey Locker Rooms
79. Library basement
80. Library 1st floor
81. Library 2nd floor
82. Library 3rd floor
Centennial Center and Seneca Room - Second Floor
CURRENTLY 5 COMPUTERS, NEED TO REDUCE TO 2

Library
002
OCC. 13

Conference Room
008
OCC. 5

Boiler
007

Kitchen

Storage/Utility

OCC. 1 Restroom

OCC. 1 Restroom

Merritt Hall
Basement
2229 GSF

CURRENT CLASSROOM
PROPOSED CLASSROOM
HAND SANITIZING STATION
DISINFECTING STATION
6 FT MARKER
DIRECTION OF TRAVEL
Merritt Hall
2nd Floor
2200 GSF
Residential Drawing List

1. 380 S. Main Ground floor
2. 380 S. Main 1st floor
3. 380 S. Main 2nd Floor
4. 775 S. Main Basement
5. 775 S. Main 1st floor
6. 775 S. Main 2nd floor
7. Blackwell 1st floor
8. Blackwell 2nd floor
9. Blackwell 3rd floor
10. Caird 1st floor
11. Caird 2nd floor
12. Caird 3rd floor
13. Caird 4th floor
14. Comstock Pond View
15. Comstock 1st floor
16. Comstock 2nd floor
17. deCordova 1st floor
18. deCordova 2nd floor
19. deCordova 3rd floor
20. deCordova 4th floor
21. Emerson Ground Floor
22. Emerson 1st floor
23. Emerson 2nd floor
24. Emerson 3rd floor
25. Emerson 4th floor
26. Geneva Ground Floor
27. Geneva 1st Floor
28. Geneva 2nd Floor
29. Geneva 3rd floor
30. Durfee 1st floor
31. Durfee 2nd floor
32. Durfee 3rd floor
33. Bartlett 1st floor
34. Bartlett 2nd floor
35. Bartlett 3rd floor
36. Hale 1st floor
37. Hale 2nd floor
38. Hale 3rd floor
39. Hirshson Basement
40. Hirshson 1st floor
41. Hirshson 2nd floor
42. Hirshson 3rd floor
43. Jackson 1st floor
44. Jackson 2nd floor
45. Jackson 3rd floor
46. Jackson 4th floor
47. Potter 1st floor
48. Potter 2nd floor
49. Potter 3rd floor
50. Potter 4th floor
51. Rees 1st floor
52. Rees 2nd floor
53. Rees 3rd floor
54. Rees 4th floor
55. McCormick 1st floor
56. McCormick 2nd floor
57. Medbery 1st floor
58. Medbery 2nd floor
59. Medbery 3rd floor
60. Miller Basement
61. Miller 1st floor
62. Miller 2nd floor
63. Miller 3rd floor
64. Sherrill Basement
65. Sherrill 1st floor
66. Sherrill 2nd floor
67. Sherrill 3rd floor
STABLER HOUSE

3466 GSF
THIRD FLOOR

ROOMS

FIRST

SECOND

THIRD

FOURTH

130 SP
Lounge

135 SP
Lounge

145 SP
Bath 1

230 SP
Bath 2

145 SP
Bath 3

230 SP
First Floor

300

301

302

303

304

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom

280 SP
Bedroom
EMERSON HALL: GROUND FLOOR
Mccormick House Second Floor
Appendix 9

Signage
Stop the Spread of Germs

Help prevent the spread of respiratory diseases like COVID-19.

- Stay at least 6 feet (about 2 arms’ length) from other people.
- Cover your cough or sneeze with a tissue, then throw the tissue in the trash and wash your hands.
- When in public, wear a cloth face covering over your nose and mouth.
- Do not touch your eyes, nose, and mouth.
- Clean and disinfect frequently touched objects and surfaces.
- Stay home when you are sick, except to get medical care.
- Wash your hands often with soap and water for at least 20 seconds.

[cdc.gov/coronavirus]
Please wear a cloth face covering.

Maintain a distance of 6 feet whenever possible.

cdc.gov/coronavirus
How to Safely Wear and Take Off a Cloth Face Covering

WEAR YOUR FACE COVERING CORRECTLY

- Wash your hands before putting on your face covering
- Put it over your nose and mouth and secure it under your chin
- Try to fit it snugly against the sides of your face
- Make sure you can breathe easily
- Do not place a mask on a child younger than 2

USE THE FACE COVERING TO HELP PROTECT OTHERS

- Wear a face covering to help protect others in case you’re infected but don’t have symptoms
- Keep the covering on your face the entire time you’re in public
- Don’t put the covering around your neck or up on your forehead
- Don’t touch the face covering, and, if you do, clean your hands

FOLLOW EVERYDAY HEALTH HABITS

- Stay at least 6 feet away from others
- Avoid contact with people who are sick
- Wash your hands often, with soap and water, for at least 20 seconds each time
- Use hand sanitizer if soap and water are not available

TAKE OFF YOUR CLOTH FACE COVERING CAREFULLY, WHEN YOU’RE HOME

- Untie the strings behind your head or stretch the ear loops
- Handle only by the ear loops or ties
- Fold outside corners together
- Place covering in the washing machine
- Wash your hands with soap and water

Cloth face coverings are not surgical masks or N-95 respirators, both of which should be saved for health care workers and other medical first responders.

For instructions on making a cloth face covering, see: cdc.gov/coronavirus
Appendix 10

Classroom Moves
Classroom Building Drawing List

1. Classroom Move Schedule*
2. Stern 103
3. Stern 201
4. Stern 203 and 204
5. Stern 301
6. Stern 203 and 204
7. Vandervort Room
8. Bartlett Theater
9. Demarest 1st floor
10. Demarest 2nd floor
11. Gulick 100
13. Gulick 223
14. Eaton 110 and 111
15. Rees 1st floor
16. Merritt 100
17. 10 College Ave
18. Not sure
19. Delancey 1 and 2
20. Houghton 112 and Library
21. Houghton 212
22. Houghton 3rd floor
23. Elliot Studio Arts
24. Trinity 305
25. Barn Lower level
26. Barn Upper Level
27. Smith 212
28. Smith 206
29. Smith 305
30. Rosenberg 101 and 102
31. Rosenberg 201 and 202
32. Hirshson Ballroom
33. Emerson 01 and 03
34. Winn-Seeley Dance Studio
35. Williams 200 and 201
36. Classroom Photos

*Both the classroom schedule and layouts may be changing. The schedule will be dependent on how long it actually take to mark off each room. The layouts may changes once the rooms are actually set up. Example, Stern 201 changed from 15 to 13 seats due to the location of the teaching podium.
<table>
<thead>
<tr>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
<th>Predecessors</th>
<th>% Complete</th>
<th>Status</th>
<th>Comments</th>
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<td>32%</td>
<td>In Progress</td>
<td>15 Node chairs moved from 117B Demarest; 1 Node Chair from 117A Demarest; 2 chairs from 223 Gulick; 3 chairs from 305 Smith</td>
<td></td>
</tr>
<tr>
<td>label all tables/chairs and move to the side</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>50%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move remaining chairs over</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gulick</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>42%</td>
<td>In Progress</td>
<td>18 Orange Node chair stay; 9 Orange Node Chairs move to 223 Gulick; 8 Orange Node Chairs to 2003 Gulick;</td>
<td></td>
</tr>
<tr>
<td>label all chairs and move extras to rooms</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 9 Orange Nodes to 223 Gulick</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 6 Orange Nodes to 2003 Gulick</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 5 orange into 2000 Gulick</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>1d</td>
<td>07/20/20</td>
<td>07/20/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2000 Gulick</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>38%</td>
<td>In Progress</td>
<td>Move 19 Black Node chairs in from 2001 Gulick; 18 tables and 35 chairs get moved to storage; 1 Black tablet arm chair moves to Vandervort</td>
<td></td>
</tr>
<tr>
<td>label all chairs/tables and move to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2001 Gulick</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>44%</td>
<td>In Progress</td>
<td>Leave 15 black Node Chairs; 19 Black Node Chairs to 2000 Gulick; 1 Black Nodes to Barn 2nd Floor</td>
<td></td>
</tr>
<tr>
<td>label all chairs and move extras to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 19 Nodes to 2000 Gulick</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002 Gulick</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>In Progress</td>
<td>17 Chair remain in the room; the rest will be moved to storage</td>
<td></td>
</tr>
<tr>
<td>label all chairs and move extras to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>In Progress</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2003 Gulick</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>38%</td>
<td>In Progress</td>
<td>Move 6 Orange Nodes from 100 Gulick to this room; tables and chairs to storage; Move the 6 black tablet arm chairs to Vandervort, (Note: Keeping Orange Node table arm chairs within Gulick since building specific furniture)</td>
<td></td>
</tr>
<tr>
<td>label all chairs and move extras to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td>100%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td>0%</td>
<td>Complete</td>
<td></td>
<td></td>
</tr>
<tr>
<td>223 Gulick</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td>38%</td>
<td>In Progress</td>
<td>Move in 9 orange Node chairs from 100 Gulick; Move 15 Black Node Chairs to 201 Williams; Move 2 black node chairs to Fisher Center</td>
<td></td>
</tr>
<tr>
<td>Task Name</td>
<td>Duration</td>
<td>Start</td>
<td>Finish</td>
<td>Predecessors</td>
<td>% Complete</td>
<td>Status</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>----------</td>
<td>-----------</td>
<td>------------</td>
<td>--------------</td>
<td>------------</td>
<td>------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Eaton 110 and 111</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>38%</td>
<td></td>
<td>16 seats to be left in 110 Eaton and 12 seats to be left in 111 Eaton; remaining black tablet arm chairs to be moved to Vandervort room</td>
</tr>
<tr>
<td>label all chairs and move extras to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>Reas</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>25%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>label all tables/chairs and move extras to hallway</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>Merritt Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>38%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Set up tables and chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Extra tables and chairs folded and/or stacked in the back of the room</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>10 College Ave</td>
<td>14d</td>
<td>07/14/20</td>
<td>07/31/20</td>
<td></td>
<td>17%</td>
<td></td>
<td>Furniture to storage; 5 Chairs from 203 Stern and 3 chairs from 201 Stern</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Move furniture in room out if the way</td>
<td>5d</td>
<td>07/27/20</td>
<td>07/31/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>Movers</td>
</tr>
<tr>
<td>22 Castle Street</td>
<td>3d</td>
<td>07/20/20</td>
<td>07/30/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>Tables and chairs to the 3rd floor; 20 Nodes moved from 204 Stern</td>
</tr>
<tr>
<td>Move tables and chairs to the 3rd floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>Movers</td>
</tr>
<tr>
<td>Move locations of chairs</td>
<td>4d</td>
<td>07/20/20</td>
<td>07/23/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move Chairs from 204 Stern and set up</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td>Movers</td>
</tr>
<tr>
<td>Delancey</td>
<td>15d</td>
<td>07/13/20</td>
<td>07/31/20</td>
<td></td>
<td>45%</td>
<td></td>
<td>Tables and chairs to storage; 6 tablet arm chairs stay in Delancey 1; 6 Tablet arm chairs being moved from Napier 101</td>
</tr>
<tr>
<td>Mark and Move tables and chair out of the way</td>
<td>15d</td>
<td>07/13/20</td>
<td>07/31/20</td>
<td></td>
<td>50%</td>
<td>In Progress</td>
<td>Movers to get tables out of rooms</td>
</tr>
<tr>
<td>Mark locations of chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Set up Delancey 1 with the 6 tablet arm chairs in the room</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>Move tables out and move Chairs from Napier 101</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td>0%</td>
<td>Not Started</td>
<td>Movers</td>
</tr>
<tr>
<td>Week 3</td>
<td>15d</td>
<td>07/13/20</td>
<td>07/31/20</td>
<td></td>
<td>33%</td>
<td></td>
<td>Tables and chairs to storage; 13 nodes moved from 212 Houghton</td>
</tr>
<tr>
<td>Houghton House</td>
<td>9d</td>
<td>07/14/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Tables and chairs to storage; 13 nodes moved from 212 Houghton</td>
</tr>
<tr>
<td>Library</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Tables and chairs to storage; 13 nodes moved from 212 Houghton</td>
</tr>
<tr>
<td>Mark and move tables and chairs to the hallway</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Mark Chair locations</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Move 12 Node chairs from Houghton 212</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>112 Houghton</td>
<td>9d</td>
<td>07/14/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Use 16 existing chairs for set up; move 12 chairs to Studio Arts; and move 17 remaining chairs to storage (is there a location in building?)</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark chair location</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up 16 chairs that were there</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Task Name</td>
<td>Duration</td>
<td>Start</td>
<td>Finish</td>
<td>Predecessors</td>
<td>% Complete</td>
<td>Status</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>----------</td>
<td>---------</td>
<td>----------</td>
<td>--------------</td>
<td>------------</td>
<td>------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Move 17 chairs to the basement for storage (make sure 12 are left for Studio Arts)</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Use 16 chairs for room set up; move 12 Nodes to Houghton Library; Store remaining 2 within the building</td>
</tr>
<tr>
<td>212 Houghton</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Table and chairs to storage; 12 chair to be moved over from Houghton 112</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Table and chairs to storage; 12 Node chairs from Coxe 7</td>
</tr>
<tr>
<td>Mark chair location</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up 16 chairs that were there</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eliot Studio Arts</td>
<td>10d</td>
<td>07/20/20</td>
<td>07/31/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark and move tables and chairs to hallway</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark floor for chair set up</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move chairs in, if possible</td>
<td>5d</td>
<td>07/27/20</td>
<td>07/31/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trinity</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>Tables and chair to storage; 12 Node chairs from Coxe 7</td>
</tr>
<tr>
<td>Mark and move tables and chairs to hallway</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mark Chair locations</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>11 Nodes to Stay in 212; 14 Nodes to move to Hirshson Ballroom</td>
</tr>
<tr>
<td>212 Smith</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Node Chairs to stay in 206; Move 8 Nodes to Hirshson Ballroom</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to be moved to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark chair location</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td>8 Nodes stay in 305; 2 Nodes to Hirshson Ballroom; 4 Nodes to Barn 1st floor; 2 nodes to the Fisher Center</td>
</tr>
<tr>
<td>206 Smith</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td>8 Nodes stay in 305; 2 Nodes to Hirshson Ballroom; 4 Nodes to Barn 1st floor; 2 nodes to the Fisher Center</td>
</tr>
<tr>
<td>305 Smith</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/14/20</td>
<td>07/14/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td>8 Nodes stay in 305; 2 Nodes to Hirshson Ballroom; 4 Nodes to Barn 1st floor; 2 nodes to the Fisher Center</td>
</tr>
<tr>
<td>Napier</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>101 Napier</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td>8 Nodes stay in 305; 2 Nodes to Hirshson Ballroom; 4 Nodes to Barn 1st floor; 2 nodes to the Fisher Center</td>
</tr>
<tr>
<td>102 Napier</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark and move extra chairs out of room</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
<td>12 Chairs to remain in 101: 6 chairs to move to Delancey 2; remaining chairs to storage</td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td>8 Nodes stay in 305; 2 Nodes to Hirshson Ballroom; 4 Nodes to Barn 1st floor; 2 nodes to the Fisher Center</td>
</tr>
<tr>
<td>201 and 202 Napier</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
<td>12 Chairs remain in 202 and 6 Chairs remain in 201; remaining chairs to storage</td>
</tr>
<tr>
<td>Task Name</td>
<td>Duration</td>
<td>Start</td>
<td>Finish</td>
<td>Predecessors</td>
<td>% Complete</td>
<td>Status</td>
<td>Comments</td>
</tr>
<tr>
<td>-----------</td>
<td>----------</td>
<td>-------</td>
<td>--------</td>
<td>--------------</td>
<td>------------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>223</td>
<td>Mark and move out extra chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>224</td>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>225</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>226</td>
<td>Cox Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>41%</td>
<td>Tables and chairs to storage; 6 chairs from Coxe 1</td>
</tr>
<tr>
<td>227</td>
<td>1 Cox Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>38%</td>
<td>8 Tablet arm chairs to stay; 6 to move to Coxe 2 and 4 to move to Vandervort</td>
</tr>
<tr>
<td>228</td>
<td>Mark and move out extra chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>229</td>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>230</td>
<td>Move 6 chairs to Coxe 2 for set up</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>231</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>232</td>
<td>2 Cox Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>29%</td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>7 Cox Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>26%</td>
<td>16 Node chairs to stay; Move 12 Node chairs to Trinity 305, 6 Node chairs to Barn 2nd floor</td>
</tr>
<tr>
<td>234</td>
<td>Mark and move out extra chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>235</td>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>236</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>237</td>
<td>8 Cox Hall</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>67%</td>
<td>24 Nodes to stay; 23 Node chairs to 200 Williams; 1 Node to Barn 2nd floor</td>
</tr>
<tr>
<td>238</td>
<td>Mark and move out extra chairs</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>239</td>
<td>Mark chair locations and set up chairs staying</td>
<td>1d</td>
<td>07/13/20</td>
<td>07/13/20</td>
<td></td>
<td>100%</td>
<td></td>
</tr>
<tr>
<td>240</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>241</td>
<td>9 Emerson</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>25%</td>
<td></td>
</tr>
<tr>
<td>242</td>
<td>Measure and mark Chair location</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>75%</td>
<td>Existing furniture to Storage; 8 Nodes from Smith 306; 14 Nodes from Smith 212; 2 Nodes from Smith 305</td>
</tr>
<tr>
<td>243</td>
<td>Moves to move all furniture out of the way before rest can be marked</td>
<td>4d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>244</td>
<td>Finish marking</td>
<td>1d</td>
<td>07/21/20</td>
<td>07/21/20</td>
<td></td>
<td>0%</td>
<td>Finish marking the chairs</td>
</tr>
<tr>
<td>245</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>246</td>
<td>Emerson Lounge</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td>16 Chairs to stay; 16 Chairs move to Emerson Lounge; 8 chairs move to Winn-Seeley</td>
</tr>
<tr>
<td>247</td>
<td>01 Emerson</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>248</td>
<td>label all chairs and move extras to hallway</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>249</td>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>Set up chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>251</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>252</td>
<td>03 Emerson</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td>16 Chairs to stay; 16 Chairs move to Emerson Lounge; 8 chairs move to Winn-Seeley</td>
</tr>
<tr>
<td>253</td>
<td>label all chairs and move extras to hallway</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>254</td>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>255</td>
<td>Set up chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>256</td>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>257</td>
<td>Emerson Lounge</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/0</td>
<td></td>
<td>0%</td>
<td>16 chairs moved from Emerson 03</td>
</tr>
<tr>
<td>258</td>
<td>label all chairs and move extras to hallway</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/0</td>
<td></td>
<td>0%</td>
<td></td>
</tr>
<tr>
<td>Task Name</td>
<td>Duration</td>
<td>Start</td>
<td>Finish</td>
<td>Predecessors</td>
<td>% Complete</td>
<td>Status</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>----------</td>
<td>------------</td>
<td>------------</td>
<td>--------------</td>
<td>-------------</td>
<td>--------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Set up chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Put permanent markers down</td>
<td>5d</td>
<td>07/13/20</td>
<td>07/17/20</td>
<td></td>
<td>0%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>Williams Hall</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>23 Node Chairs from Coxe 8</td>
</tr>
<tr>
<td>200 Williams</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>Table and chairs to be stored within the building; 15 Node Chairs from 223 Gulick</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>201 Williams</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>Table and chairs to be stored within the building; 15 Node Chairs from 223 Gulick</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winn-Seekly</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>33%</td>
<td></td>
<td>33 Chairs from Emerson</td>
</tr>
<tr>
<td>Dance Studio</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td>33 Chairs from Emerson</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>0%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Classroom</td>
<td>10d</td>
<td>07/13/20</td>
<td>07/24/20</td>
<td></td>
<td>50%</td>
<td></td>
<td>Use Existing Chairs and extra chairs go to storage</td>
</tr>
<tr>
<td>Mark locations and apply markers for chairs</td>
<td>5d</td>
<td>07/20/20</td>
<td>07/24/20</td>
<td></td>
<td>100%</td>
<td>In Progress</td>
<td></td>
</tr>
<tr>
<td>MOVERS</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vandervort Room</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 16 Chairs from Demarest 14 to Vandervort Room</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 15 chairs (1 black from 203 Stern, 1 black from 201 and 6 gray from 303 Stern) to Vandervort room</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 7 black tablet arm chairs from 2000 and 2003 Gulick to Vandervort</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 42 black tablet arm chairs from Eaton to Vandervort</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 black tablet arm chairs from 02 Demarest</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 6 Chair from Coxe 1</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 Node Chair from 2001 Gulick to the Barn 2nd floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 Nodes from Stern 204 move to Barn 1st floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 Nodes from Smith 305 to 1st floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 Nodes from Napier 102 to 1st floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9 Nodes from Coxe 7 and 8 to 2nd floor barn</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 Castle Street</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 Node chairs moved to 2nd floor of 22 Castle from Stern 204</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tables and chairs to 3rd floor</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 15 Black Nodes from 223 Gulick to 201 Williams</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 23 Nodes from Coxe 8</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fisher Center</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 2 Black Nodes from 223 Gulick to Fisher Center</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Task Name</td>
<td>Duration</td>
<td>Start</td>
<td>Finish</td>
<td>Predecessors</td>
<td>% Complete</td>
<td>Status</td>
<td>Comments</td>
</tr>
<tr>
<td>-----------------------------------------------</td>
<td>----------</td>
<td>-------------</td>
<td>-------------</td>
<td>-----------------------------------</td>
<td>------------</td>
<td>--------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Move 2 Nodes from Smith 305</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delancy</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move Tables and Chair to storage</td>
<td></td>
<td></td>
<td>6 tablet arm chair stay in Delancey 1</td>
</tr>
<tr>
<td>Move Tables and Chair to storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 6 Table arm chairs over from Napier 101</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bartlett Theater</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move 48 Stern chairs to Bartlett theater</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 48 Stern chairs to Bartlett theater</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rees</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>12 chairs from Stem 203 to Rees Classroom</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seneca Room</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>15 chairs from 201 Stern to Seneca Room (603 S. Main)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 College Ave</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>8 chairs (3 from 201 Stern and 5 from 203 Stern) to 10 College Ave</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Winn-Seeley Dance Studio</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trinity</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>12 Node Chairs from Cowe 7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hirshon Ballroom</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move 14 Chair in from Stern 212</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 14 Chair in from Stern 212</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move 8 Chairs from Stern 206</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 8 Chairs from Stern 206</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move 2 Nodes from Smith 305</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Stern 301 Extra chairs to storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move Demarest 2 Chairs to storage Location</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move Blackwell and Fisher Center Tables and Chairs to Storage</td>
<td></td>
<td></td>
<td>Blackwell maybe able to be kept along the wall in the room</td>
</tr>
<tr>
<td>Move Blackwell and Fisher Center Tables and Chairs to Storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move 2000 Gulick and 2003 Gulick Tables and Chairs to storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move 2000 Gulick and 2003 Gulick Tables and Chairs to storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move Trinity 300 Tables and Chairs to Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move Trinity 300 Tables and Chairs to Storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Move Delancey tables and chairs to storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Move Delancey tables and chairs to storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Any remaining Napier Chairs to Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Any remaining Napier Chairs to Storage</td>
<td>4d</td>
<td>07/27/20</td>
<td>07/30/20</td>
<td>Any remaining chairs from Emerson to Storage</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13 CHAIRS TO REMAIN IN 201
15 CHAIR TO THE SENECA ROOM
1 BLACK CHAIR TO VANDERVORT ROOM
3 CHAIRS TO 10 COLLEGE AVE
12 CHAIRS MOVED FROM 203 STERN
3 CHAIRS TO MOVE FROM STErn 201
5 CHAIRS TO MOVE FROM STErn 203

SEATS 8
Occupancy 9
10 College Ave.
ELIOT STUDIO ARTS CLASSROOM

SEATING

CAPACITY: 12

EQUIPMENT: 12 CHAIRS MOVE FROM 12 LOCATION HOLE

TABLES AND CHAIRS TO STERVE
TRINITY 3RD FLOOR
8 node chairs to move to Hirshson Ballroom
12 node chairs to stay in 206

SMITH HALL

630 SF
206
CLASSROOM

Occupancy: 13
Seating: 12
8 NODE CHAIRS TO STAY IN 305
2 NODE CHAIRS TO MOVE TO HIRSHON BALLROOM
4 NODE CHAIRS TO MOVE TO BARN 1ST FLOOR
2 NODE CHAIRS TO MOVE TO FISHER CENTER

CLASSESS

435 SF

CLASSROOM

SMITH HALL
16 CHAIRS STAY IN 03
16 CHAIRS MOVE TO PHRASEN LOUNGE
8 CHAIRS MOVE TO WED-NEELY BANC

CLASSROOM
03
911 SF

PHRASEN HALL GROUND FLOOR

15 CHAIRS STAY IN 03
25 CHAIRS MOVE TO WED-NEELY BANC

CLASSROOM
01
885 SF

17 154 SF
Photos of Set up Classrooms

Stern 103

Normal Classroom Set Up: 48 Gray tablet arm chairs
Set up for Social Distancing: 19 Gray Tablet Arm Chairs
Extra Chairs moved to:
   (29) to Bartlett Theater

Stern 201

Normal Classroom Set Up: 35 Gray tablet arm chairs
Set up for Social Distancing: 13 Gray Tablet Arm Chairs
Extra Chairs moved to:
   (1) Black Tablet Arm Chair and 3 Gray– Vandervort Room
   (3) Gray Tablet Arm Chairs  - 10 College Ave.
Stern 203

Normal Classroom Set Up: 30 Gray tablet arm chairs
Set up for Social Distancing: 15 Gray Tablet Arm Chairs
Extra Chairs moved to:
   (1) Black Tablet Arm Chair – Vandervort Room
   (12) Gray Tablet Arm Chairs – Rees Classroom
   (3) Gray Tablet Arm Chairs – 10 College Ave

Stern 204

Normal Classroom Set Up: 31 Black Tablet Node Chairs
Set up for Social Distancing: 10 Black Tablet Node Chairs
Extra Chairs moved to:
   (20) Node Chairs – 22 Castle Street
   (1) Nodes – Barn
Stern 301

Normal Classroom Set Up: 30 Chairs and 15 Tables – Lab top computer lab
Set up for Social Distancing: 15 Tables and 15 chairs
Extra Chairs moved to:
   (15) Chairs to move to storage

Stern 303

Normal Classroom Set Up: 31 Gray Tablet Arm Chairs
Set up for Social Distancing: 15
Extra Chairs moved to:
   (6) Chairs to Vandervort Room
Stern 304

Normal Classroom Set Up: 29 Gray Tablet Arm chairs
Set up for Social Distancing: 10 Gray Tablet Arm Chairs
Extra Chairs moved to:
(19) Gray Tablet Arm Chairs - Bartlett Theater

Coxe 1

Normal Classroom Set Up: 21 Black Tablet Arm Chairs
Set up for Social Distancing: 8 Black Tablet Arm Chairs
Extra Chairs moved to:
(6) Black Tablet Arm chairs – Coxe 2
(6) Black Tablet Arm Chairs – Vandervort Room
Coxe 2

Normal Classroom Set Up: 15 chairs and 4 tables
Set up for Social Distancing: 6 Black Tablet Arm Chairs from Coxe 1
Extra Chairs moved to:
   Tables and Chairs to storage

Coxe 7

Normal Classroom Set Up: 36 Black Tablet Node Chairs
Set up for Social Distancing: 16 Black Tablet Node Chairs
Extra Chairs moved to:
   (12) Node Chairs – Trinity 300
   (8) Nodes – Barn
Coxe 8

Normal Classroom Set Up: 48 Black Tablet Node Chairs

Set up for Social Distancing: 24 Black Tablet Node Chairs

Extra Chairs moved to:

(23) Node Chairs – Williams 200
(1) Nodes – Barn

Demarest 117A

Normal Classroom Set Up: 15 Black Tablet Node Chairs

Set up for Social Distancing: 6 Black Tablet Node Chairs

Extra Chairs moved to:

(8) Node Chairs – Blackwell Room
(1) Nodes – Fisher Center
Demarest 117B

Normal Classroom Set Up: 30 Black Tablet Node Chairs
Set up for Social Distancing: 15 Black Tablet Node Chairs
Extra Chairs moved to:
   (15) Black Tablet Node Chairs – Fisher Center

Demarest 14

Normal Classroom Set Up: 40 Black Tablet Rapture Chairs
Set up for Social Distancing: 24 Black Tablet Rapture Chairs
Extra Chairs moved to:
   (16) Black Tablet Arm – Vandervort room
**Blackwell Room**

Normal Classroom Set Up: 18 chairs and 6 tables

Set up for Social Distancing: 8 Black Tablet Node Chairs from 117A Demarest

Extra Chairs moved to:

- Tables lined up along the side of the Blackwell room
- Chairs moved to Storage

---

**Gulick 100**

Normal Classroom Set Up: 40 Orange Tablet Node Chairs

Set up for Social Distancing: 18 Orange Tablet Node Chairs

Extra Chairs moved to:
Gulick 2000

Normal Classroom Set Up: 35 Chairs and 18 Tables
Set up for Social Distancing: 5 Orange Nodes and 14 Black Nodes
Extra Chairs moved to:
   Tables and Chairs to Storage

Gulick 2001

Normal Classroom Set Up: 35 Black Tablet Node Chairs
Set up for Social Distancing: 15 Black Tablet Node Chairs
Extra Chairs moved to:
   (14) Node Chairs – Gulick 2000
   (6) Nodes – Barn
Gulick 2002 – Computer lab

Normal Classroom Set Up: 32 Seats
Set up for Social Distancing: 17 seats
Extra Chairs moved to:
(15) Seats to storage

Gulick 2003

Normal Classroom Set Up: 6 tablet arm chairs, 17 Orange Node Chairs and 8 Tables
Set up for Social Distancing: 8 Orange Tablet Node Chairs
Extra Chairs moved to:
(6) Black Tablet Arm Chairs – Vandervort room
Tables and Orange Nodes to storage
Napier 101

Normal Classroom Set Up: 42 Green Tablet Chairs
Set up for Social Distancing: 12 green Tablet Chairs
Extra Chairs moved to:
   (6) green tablet arm – Delancy 2
   (24) Barn 1st floor

Napier 102

Normal Classroom Set Up: 17 Black Tablet Node Chairs
Set up for Social Distancing: 6 Black Tablet Node Chairs
Extra Chairs moved to:
   (11) Nodes - Barn
Napier 201

Normal Classroom Set Up: 38 Green Tablet Chairs
Set up for Social Distancing: 13 green Tablet Chairs
Extra Chairs moved to:
   (4) chairs to 1st floor Barn
   (12) chairs to Bristol Classroom
   Remaining Chairs - TBD

Napier 202

Normal Classroom Set Up: 17 Green Tablet Chairs
Set up for Social Distancing: 6 green Tablet Chairs
Extra Chairs moved to:
   Remaining Chairs – TBD
Eaton 110

Normal Classroom Set Up: 40 Rapture Tablet Chairs
Set up for Social Distancing: 16 Rapture Tablet Chairs
Extra Chairs moved to:
  Remaining Chairs – Vandervort Room

Eaton 111

Normal Classroom Set Up: 35 Rapture Tablet Chairs
Set up for Social Distancing: 12 Rapture Tablet Chairs
Extra Chairs moved to:
  Remaining Chairs – Vandervort Room
Smith 206

Normal Classroom Set Up: 20 Node Tablet Chairs
Set up for Social Distancing: 12 Node Tablet Chairs
Extra Chairs moved to:
(8) Node Chairs – Hirshson Ball Room

Smith 212

Normal Classroom Set Up: 25 Node Tablet Chairs
Set up for Social Distancing: 11 Node Tablet Chairs
Extra Chairs moved to:
(14) Node Chairs – Hirshson Ball Room
Smith 305

Normal Classroom Set Up: 16 Node Tablet Chairs
Set up for Social Distancing:  8 Node Tablet Chairs
Extra Chairs moved to:
   (2) Node Chairs – Hirshson Ball Room
   (4) Node Chairs – Barn
   (4) Node Chairs – Fisher Center

Emerson 01

Normal Classroom Set Up: 40 Gray Tablet Chairs
Set up for Social Distancing:  15 Gray Tablet Chairs
Extra Chairs moved to:
   (25) Gray Tablet Chairs – Winn-Seeley Dance Studio

Emerson 03

Normal Classroom Set Up: 43 Gray Tablet Chairs
Set up for Social Distancing:  16 Gray Tablet Chairs
Extra Chairs moved to:
   (8) Gray Tablet Chairs – Winn-Seeley Dance Studio
   (16) Emerson Lounge
   (3) Extra chairs

Trinity 301

Normal Classroom Set Up: 41 Chairs and 15 tables
Set up for Social Distancing:  12 Node Chairs from Coxe 7
Tables and chairs to be moved to storage

**Merritt 100**

Normal Classroom Set Up: 34 chairs and 14 Tables
Set up for Social Distancing: 12 Tables and chairs
Extra Chairs and tables to be stacked and stored in Merritt 100

**Houghton 112**

Normal Classroom Set Up: 45 Tablet Chairs
Set up for Social Distancing: 14 Tablet Chairs
Extra Chairs moved to:

(12) Tablet Chairs – Studio Arts
Rest to storage within Houghton

**Houghton Library**
Normal Classroom Set Up: 15 Chairs and 2 tables

Set up for Social Distancing: 13 Node Tablet Chairs from Houghton 212

Extra Chairs moved to:
- Tables and chair to storage

---

**Houghton 212**

Normal Classroom Set Up: 35 Node Tablet Chairs

Set up for Social Distancing: 16 Node Tablet Chairs

Extra Chairs moved to:
- (13) Node Tablet Chairs – Houghton Library
- (6) Extra Node Chairs to be stored at Houghton House since purchased by art program

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**Houghton 3rd Floor**

**Elliot Studio Arts**

Normal Classroom Set Up: 13 Table and 24 Chairs

Set up for Social Distancing: 12 Tablet Arm Chairs from 112 Houghton

Extra Chairs moved to:
Tables and chairs moved to storages; preferably at Houghton House

**Rees 1st floor classroom**

Normal Classroom Set Up: Table and Chairs

Set up for Social Distancing: 12 Tablet Arm Chairs from Stern 203

Extra moved to:

Tables and chairs moved to storage

---

**Winn-Seeley Dance Studio**

Normal Classroom Set Up: Dance Studio

Set up for Social Distancing: 33 Tablet Arm Chairs moved from Emerson

---

**Winn-Seeley Classroom**

Normal Classroom Set Up: 37 tablet arm chairs

Set up for Social Distancing: 15 Tablet arm Chairs

Extra moved to: Storage

---

**Bristol Team Room**

Normal Classroom Set Up: Table and Chairs

Set up for Social Distancing: 12 Tablet Arm Chairs from 201 Napier

Extra moved to:

Tables and chairs moved to storage

---

**Barn 1st floor**

Set up for Social Distancing: 35 Tablet Arm Chairs from Napier

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**Barn 2nd floor**
Set up for Social Distancing: 31 total Node Chair

Chairs from:

(1) 204 Smith  
(8) 7 Coxe  
(1) 8 Coxe  
(6) Gulick 2001  
(11) 102 Napier  
(4) Smith 305

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**Scandling 2/3 Vandervort**

Set up for Social Distancing: 49 tablet arm chairs

Chairs moved from:

(24) Eaton 110  
(23) Eaton 111  
(2) Demarest 14

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**Scandling 1/3 Vandervort**

Set up for Social Distancing: 40 tablet arm chairs

Chairs moved from:

(14) Demarest 14  
(6) Coxe 1  
(1) 2000 Gulick  
(6) 2003 Gulick  
(1) Stern 201  
(1) Stern 203  
(6) Stern 303

---

**22 Castle Street**

Set up for Social Distancing: 20 Black Node Chairs

Chairs moved from:

(20) Stern 204
Hirshson Ballroom

Set up for Social Distancing: 24 Black Node Chairs
Chairs moved from:
(8) Smith 206
(14) Smith 212
(2) Smith 305

FLI Classroom

Normal Classroom Set Up: Table and Chairs
Set up for Social Distancing:
Extra moved to:

Bartlett Theater

Set up for Social Distancing: 48 tablet arm chairs
Chairs moved from:
(29) Stern 103
(19) Stern 304

10 College Ave

Set up for Social Distancing: 8 tablet arm chairs
Chairs moved from:
(5) Stern 203
(3) Stern 201
Appendix 11

Dining Options
Dining Options Drawings

1. Scandling Queuing Line Option 1 - ADA Accessible
2. Scandling Queuing Line Option 2 - ADA Accessible
3. Saga Queuing Line - ADA Accessible
4. Saga Main Dining Seating – ADA Accessible
5. My Kitchen Seating - ADA Accessible
6. Common Room Seating - ADA Accessible
7. Café queuing and seating - ADA Accessible
8. Café Patio Seating - ADA Accessible
9. Wasey Queuing Option 1 - ADA Accessible; Elevator
10. Wasey Queuing Option 2 - ADA Accessible; Elevator
11. Cellar Pub Grab and Go – NOT ADA Accessible
12. Winn-Seeley Grab and Go with Seating - ADA Accessible; use main door
13. Bristol Gym Grab and Go with Seating - ADA Accessible; Use door in to the 1st floor next to RFK weight room
**Disinfection kits**

The disinfection kit below will be placed around campus, which will include a box of paper towels, disinfecting spray and instruction on how to properly use the disinfection spray.

They will be located in all classrooms and in designated areas in each building.

SDS sheet for the disinfectant and hand sanitizer will be placed on the HWS COVID web page.