

Covid 19 Safety Plan

Events & Banquet Spaces

- Please also see Hotel General Safety Plan

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

Changes to work schedules

- Scheduled staff are also kept to a minimum based on the hotel's occupancy.
- Staff work the same schedule as much as possible, so staff remain in bubbles.

Occupancy limits for workers

- While we are reducing staff hours, it is not always going to be possible to have an occupancy limit for workers due to the demand in the hotel. Please see 2,3,4 level protection.

Second level protection (engineering): Barriers and partitions

- Signs are posted at entrance for not to enter if sick or showing symptoms
- Tables are set up 6ft apart and set either classroom style with maximum 2 chairs per table or round tables with maximum 6 guests,
- Maximum 50 guests for the Quartz Grand Hall*
- Maximum 6 Guests Jade Boardroom
- Maximum 30 Guests in Amber Ballroom*
- Sanitization station is at the entrance of the room.

*Numbers will depend on layout. For example; if classroom style then amount of guests will be less.

Food & Beverage

- There will be a self-serving station for items such as coffee and light snacks. Utensils will be provided, and guests are required to sanitize their hands before they use the self-service station.
- If a buffet is served, guests do not serve themselves. CPR staff serve the food to the guest, so the guest never touches anything.

Third level protection (administrative): Rules and guidelines

Staff:

- Staff are to sanitize their hands/wash their hands as they enter the building. Sanitizing stations are set up at the staff entrance along with signs telling staff to not enter if they show any symptoms.
- Staff are kept to the same schedule as much possible to limit the amount of contact with other people.
- Staff are to wash their hands every 20 minutes – kitchen staff and service staff. Staff sanitize hands task to task also.



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Covid 19 Safety Plan

Events & Banquet Spaces

- All staff are to be orientated with the new policies before they start work, along with a company general/ health and safety orientation as they have not been working for a long period of time.

Cleaning Schedule:

Sanitization of high touch surfaces done at regular intervals (see schedule)

- Kitchen will sanitize high touch surfaces at regular intervals during service.
- Chefs are kept to a minimum on the line.
- Paper towel will be used to sanitize surfaces for tables indoors.
- **Multi Quat Surface Cleaner** is the chemical to be used.
- Kitchen staff/servers use their own knives, bottle openers and utensils to avoid cross contamination. They sanitize their workstation after each use.
- High Touch Surfaces in Banquet space will be done twice per event.

Waste Management:

- Garbage is to be taken out of the kitchen regularly
- Gloves are to be worn while disposing of garbage.

Posted at Entrance:

- First & last name and home phone number are required for entry (This may have been provided already by your event organiser)
- Guests must sanitize their hands upon entry and re-entry
- Guests will remain seated as much as possible
- No table larger than a table of 6 will be accommodated.
- Guest will use the designated entrance and exit.
- Guests will stay 6 feet from our team & other guests at all times

Fourth level protection: Using masks (optional measure in addition to other control measures)



We have reviewed the information on **selecting and using masks** and **instructions on how to use a mask**.



We understand the limitations of masks and other PPE. We understand that PPE should only be used in combination with other control measures.



We have trained workers to use PPE properly, following manufacturers' instructions for use and disposal.

- Serving Staff will wear masks.
- As regular hand washing and sanitization is in place, gloves are not required to be worn.

Covid 19 Safety Plan

Dine In & Take Out - Restaurant

- Please also see Hotel General Safety Plan

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

Changes to work schedules

- Scheduled staff are also kept to a minimum based on the hotel's occupancy.
- Staff work the same schedule as much as possible, so staff remain in bubbles.

Occupancy limits for workers

- While we are reducing staff hours, it is not always going to be possible to have an occupancy limit for workers due to the demand in the hotel. Please see 2,3,4 level protection.

Deliveries

- We are not signing for deliveries. Staff are to hand wash/sanitize after handling packages

Second level protection (engineering): Barriers and partitions

- On queuing there is Stand here markers to make sure customers stand 2 metres apart. These are situated in the hotel lobby making sure guests do not congregate in the dining area.
- If the lobby becomes too crowded, guests will be asked to wait outside until it is safe to queue inside.
- Guests are to be waited to be seated by the host at the entrance of the restaurant.
- The entrance and exit to the restaurant are separate, this is signposted and guests must follow these directions.

Seating:

- No more than 6 people will be allowed at a table.
- Tables have been moved to 6ft apart. Excess Tables have been removed.
- No seating will be available at the bar.
- The Maximum occupancy of the **Restaurant is 74 inside. OUTSIDE DINING IS CLOSED**
- At the Cabana Bar, no seating is available at the bar.
- Guests are not allowed to get up and move around once seated apart from using the washroom.

Service Restaurant:

- First & Last name and telephone number will be collected from one member of every party. This information is retained for 30 days for contact tracing for the medical health officer. (Restaurant only)
- Paper menus will be used and disposed after each use. Menu will be available online. Guests will be given a QR code.
- Nothing will be pre set on tables.
- Host/server will take group to table and place menus on the table.
- Water will be available upon request from the guest.

Covid 19 Safety Plan

Dine In & Take Out - Restaurant

- Cutlery will be in roll ups.
- Servers will take order from the table keeping a distance from the table.
- Food will be served to the guest at the table.
- Salt & Pepper will be available upon request and served in individual packets. Additional sauces, jams etc will be available upon request and served in individual ramekins.
- Clearing of dishes will be done once the whole party has finished or as requested.
- Bill will not be served in a bill fold, and just the bill placed on the table.
- Tables and chairs will be sanitized before the next guest.

Take Out Service: (No room service is available at this time)

- Guests call in to place their order and Elements will call the guests once the order is ready for pick up. We do not deliver or do room service.
- Will use single use condiments, cutlery and take out boxes.
- All food will be served in single use containers.
- Room payments are not available in the restaurant at the time. Card is recommended however we do still take cash.

Third level protection (administrative): Rules and guidelines

Guests:

- Hand sanitization station is available at the restaurant entrance. It is also available at the hotel entrance.
- If a table is not ready, the guest will not be allowed to congregate in the restaurant. They will either be told to come back via call or to wait in the lobby space permitting.

Staff:

- Staff are to sanitize their hands/wash their hands as they enter the building. Sanitizing stations are set up at the staff entrance along with signs telling staff to not enter if they show any symptoms.
- Staff are kept to the same schedule as much possible to limit the amount of contact with other people.
- Staff are to wash their hands every 20 minutes – kitchen staff and service staff. Staff sanitize hands task to task also.
- All staff are to be orientated with the new policies before they start work, along with a company general/ health and safety orientation as they have not been working for a long period of time.
- Staff are to sanitize hands are interacting with each guest especially after payment.
- After each group has left the table, staff sanitize table and chairs, highchairs.

Cleaning Schedule (see attachment):

- Sanitization of high touch surfaces done at regular intervals (see schedule)
- Kitchen will sanitize high touch surfaces at regular intervals during service.
- Chefs are kept to a minimum on the line.
- Paper towel will be used to sanitize surfaces for tables indoors. Patio tables there will be solution and staff will dip cloths into the solution. A new cloth will be used each time and will not be redipped into the solution.

Covid 19 Safety Plan

Dine In & Take Out - Restaurant

- **Multi Quat Surface Cleaner** is the chemical to be used.
- Kitchen staff/servers use their own knives, bottle openers and utensils to avoid cross contamination. They sanitize their workstation after each use.
- Equipment (e.g. blender, mixer) is to be sanitized after each use.

Waste Management:

- Garbage is to be taken out of the kitchen regularly
- Gloves are to be worn while disposing of garbage.

Fourth level protection: Using masks (optional measure in addition to other control measures)

- ✓ We have reviewed the information on **selecting and using masks** and **instructions on how to use a mask**.
- ✓ We understand the limitations of masks and other PPE. We understand that PPE should only be used in combination with other control measures.
- ✓ We have trained workers to use PPE properly, following manufacturers' instructions for use and disposal.
 - Serving Staff will wear masks.
 - As regular hand washing and sanitization is in place, gloves are not required to be worn.

Covid 19 Safety Plan

Fitness Centre

Please also see Hotel General Safety Plan

CHANGING ROOMS REMAIN CLOSED

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

✓ We have **established and posted occupancy limits** for common areas such as break rooms, meeting rooms, change rooms, washrooms, and elevators. .

- We have put an occupancy limit **of 2 guests** for the Fitness Centre.

Second level protection (engineering): Barriers and partitions

Fitness Centre

- Equipment will be 2 metres apart
- Floor partitions will be placed for guests to follow

Third level protection (administrative): Rules and guidelines

Guests:

- Hand sanitization station is at the entrance of the gym and changing rooms. Guests must Sanitize on entry and re-entry.
- Our company statement is posted in the hotel entrance and on our website.
- Elevator etiquette signs have been posted for guests to keep maximum of 3 people or one family group.
- Social distancing posters have been posted around the hotels and in elevators.
- Signs are placed at the entrance of Fitness Centre for guests to DO NOT ENTER if you answer yes to any of the following questions:
 - Do you have a fever, cough, sneezing, sore throat and/or difficulty breathing, and these conditions are new or worsening?
 - Have you travelled outside of Canada in the last 14 days?
 - Do you believe you have been exposed to COVID-19?
- Guests need to sanitize equipment and weights after each use.
- High Touch Surfaces and equipment will be sanitized twice a day by CPR Staff.

Fourth level protection: Using masks (optional measure in addition to other control measures)

Staff will wear masks if they cannot physically distance.

Covid 19 Safety Plan

Hotel General

Excludes restaurant, fitness centre, sports court, event space, pools & hot tubs

Please additional safety plans –
Restaurant/Takeout/Maintenance/Housekeeping/Outdoor Pool/Sports Court

Involve workers when assessing your workplace

Identify areas where there may be risks, either through close physical proximity or through contaminated surfaces. The closer together workers are and the longer they are close to each other, the greater the risk.

- ✓ We have involved frontline workers, supervisors, and the joint health and safety committee (or worker health and safety representative, if applicable).
- ✓ We have identified areas where people gather, such as break rooms, production lines, and meeting rooms.
- ✓ We have identified job tasks and processes where workers are close to one another or members of the public. This can occur in your workplace, in worker vehicles, or at other work locations (if your workers travel offsite as part of their jobs).
- ✓ We have identified the tools, machinery, and equipment that workers share while working.
- ✓ We have identified surfaces that people touch often, such as doorknobs, elevator buttons, and light switches.

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

- ✓ We have established and posted an occupancy limit for our premises.
- ✓ In order to reduce the number of people at the worksite, we have considered work-from-home arrangements, virtual meetings, rescheduling work tasks, and limiting the number of customers and visitors in the workplace.
- ✓ We have **established and posted occupancy limits** for common areas such as break rooms, meeting rooms, change rooms, washrooms, and elevators.
We have implemented measures to keep workers and others at least 2 metres apart, wherever possible. Options include revising work schedules and reorganizing work tasks.

Working offsite or remotely

Where possible staff will work from home, following the Worksafe BC work from home guidelines.



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Covid 19 Safety Plan

Hotel General

Excludes restaurant, fitness centre, sports court, event space, pools & hot tubs

Changes to work schedules

- Where possible staff hours have been reduced.
- Scheduled staff are also kept to a minimum based on the hotel's occupancy.
- Staff work the same schedule as much as possible, so staff remain in bubbles.

Occupancy limits for workers

- While we are reducing staff hours, it is not always going to be possible to have an occupancy limit for workers due to the demand in the hotel. Please see 2,3,4 level protection.
- The staff room has occupancy limit of 6, and tables and chairs spaced apart. Staff have to sanitise where they sit once they leave. Shared plates/cutlery/glasses etc. will be removed. Shared equipment such as the coffee machine will also be removed. Staff will be advised to bring their own cutlery & plates.
- There is a sanitizing station in the staff room.

Office Space

- Staff that work in the main admin office area have one person per office to work in. (front desk office, sales office, GM office, accounting office, marketing office)
- Maintenance has one person working in their office
- F&B have one person working in their office
- Housekeeping have two people working in their office and tables have been distanced apart.
- Staff have been made aware to not share items (staplers, pens, whole punch etc.)
- Staff meetings happen in our banquet room so we can social distance.

Elevator

- Elevator Etiquette signs have been posted at all floors
- Maximum of 3 guests or 1 family group

Second level protection (engineering): Barriers and partitions



We have installed barriers where workers can't keep physically distant from co-workers, customers, or others.



We have included barrier cleaning in our cleaning protocols.



We have installed the barriers, so they don't introduce other risks to workers (e.g., barriers installed inside a vehicle don't affect the safe operation of the vehicle).

- Plexi Glass has been added to each front desk booth.
- Partitions have also been added between each booth so guests cannot come in between them.

Covid 19 Safety Plan

Hotel General

Excludes restaurant, fitness centre, sports court, event space, pools& hot tubs

- There are STAND HERE stickers on the floor 2 meters apart for when guests start to queue. The card reader has been moved to the front of the booth so guests can scan their own card.
- If the lobby starts to get crowded at busy periods of the day, guests will be asked to remain outside until it is safe to queue inside.
- On check out guests can place their key card in a basket at the front desk. These are then sanitized before they are put back into rotation.
- Guests will receive their breakdown of their stay by email. A printed copy is available upon request.
- We recommend credit card payments or post to room where possible, however debit card and cash is available. (post to room is not available if you only provide a debit card or pay by cash).
- Physical Distance signs are placed around the hotel.

Vehicles:

- Work vehicles (shuttle) are currently not in action. There is no vehicle availability for guests.
- The Toro used to transport garbage (used 3-5 times a day) has high touch surfaces sanitized after each use.
- Maximum two workers in Toro
- Work trucks are used by one person at a time, and to be sanitized after each use.
- If more than one staff member is travelling in a vehicle then masks must be worn.

Third level protection (administrative): Rules and guidelines

- ✓ We have identified rules and guidelines for how workers should conduct themselves.
- ✓ We have clearly communicated these rules and guidelines to workers through a combination of training and signage.
 - Before staff return to work they are required to attend a staff orientation. This includes all company rules, guidelines & protocols. It also includes health & safety training along with a separate COVID 19 training session.
 - Staff are regularly updated with updates on protocols through staff stand ups, staff notice boards and our staff social app.
 - Staff will have completed their screening questionnaire and asked whether they have any symptoms at the start of their shift.
 - The above is applicable to old and new staff.

Guests:

- Hand sanitization station is at the entrance of the hotel, parkade and in the lobby. Also at every front desk booth.
- Signs are at the front doors/parkade telling guests not to enter if they have any symptoms.



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Covid 19 Safety Plan

Hotel General

Excludes restaurant, fitness centre, sports court, event space, pools& hot tubs

- There is also a sanitization station for luggage carts using paper towels.
- Our company statement is posted in the hotel entrance and on our website.
- Elevator etiquette signs have been posted for guests to keep maximum of 3 people or one family group.
- Social distancing posters have been posted around the hotels and in elevators.
- Signs are placed at the entrance of the hotel for guests to DO NOT ENTER if you answer yes to any of the following questions:
 - Do you have a fever, cough, sneezing, sore throat and/or difficulty breathing, and these conditions are new or worsening?
 - Have you travelled outside of Canada in the last 14 days?
 - Do you believe you have been exposed to COVID-19?

Staff:

- Staff are to sanitize their hands as they enter the building. Sanitizing stations are set up at the staff entrance along with signs telling staff to not enter if they show any symptoms.
- Staff are kept to the same schedule as much possible to limit the amount of contact with other people.
- Staff are to sanitize hands after interacting with each guest especially after handling key cards/debit cards.
- Staff sanitize their workstation before their shift change over. (Front Desk)
- If more than one person works, those staff members are to work at separate pods and not swap over unless sanitize the pod before and after they finish their shift.
- Employees are reminded to not come to work while sick. If they have symptoms of COVID-19, they are expected utilize the online self-assessment tool, contact their health care provider, or call 811.
- If someone experiences symptoms at work, notify their manager immediately, go home immediately, and contact their health care provider or call 811.
- Staff with symptoms are asked to remain at home for 10 days and until their symptoms have cleared.

Public Spaces (Lobby, public washrooms):

- Washrooms are sanitized minimum twice per day.
- The lobby high touch surfaces are sanitized 3 times per day as per cleaning schedule.
- High touch surfaces in the hotel are sanitized twice a day (stair rails, door handles, elevator buttons) as per cleaning schedule.

Cleaning Schedule (see attachment):

- Sanitization of high touch surfaces done throughout the day in the lobby by Front desk agents
- New rags are to be used every time you sanitize and put in the dirty rag bins. Paper towel is to be used if rags run out.
- There will be a clean rag bin and a dirty rag bin in the back office.
- **Peroxide Multi Surface Cleaner** is the chemical to be used. Gloves are to be worn while cleaning to protect from chemical.

Covid 19 Safety Plan

Hotel General

Excludes restaurant, fitness centre, sports court, event space, pools& hot tubs

Deliveries:

We do not sign for deliveries. Staff are to sanitize/wash hands after handling a delivery.

Fourth level protection: Using masks (optional measure in addition to other control measures)



We have reviewed the information on **selecting and using masks** and **instructions on how to use a mask**.



We understand the limitations of masks and other PPE. We understand that PPE should only be used in combination with other control measures.



We have trained workers to use PPE properly, following manufacturers' instructions for use and disposal.

- Apart from where stated above, masks are not mandatory for staff to wear. Staff have been trained in how to wear a mask. However, if staff cannot distance from themselves or guests they must wear a mask.
- Gloves are to be used as stated previously above, and available for staff as they require.
- Staff have been trained for appropriate usage of mask and gloves.
- If social distancing cannot be maintained then staff are to wear a mask, example situations:
 - Site Tours
 - Going into a guest's room

Covid 19 Safety Plan

Housekeeping

Please also see Hotel General Safety Plan

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

We have implemented measures to keep workers and others at least 2 metres apart, wherever possible. Options include revising work schedules and reorganizing work tasks.

Occupancy limits for workers

- While we are reducing staff hours, it is not always going to be possible to have an occupancy limit for workers due to the demand in the hotel. Please see 2,3,4 level protection.
- The staff room has occupancy limit of 6, and tables and chairs spaced apart. Staff have to sanitise where they sit once they leave. There is a sanitizing station in the staff room. Shared plates/cutlery/glasses etc. will be removed. Shared equipment such as the coffee machine will also be removed. Staff will be advised to bring their own cutlery & plates.

Second level protection (engineering): Barriers and partitions

- Housekeeping staff do not provide maid service currently unless long term rentals.
- If a guest requires additional items such as towels, linens, these are put in a bag and left at the door.
- A Houseman or Housekeeper who does go into a room (Room Emergency) must wear a mask if social distancing cannot be maintained.
- Additional amenities such as shampoo, dish soap or coffee can be collected from the front desk.
- Staff sanitize their maid's carts after they finish their shift.

Third level protection (administrative): Rules and guidelines

- Before staff return to work they are required to attend a staff orientation. This includes all company rules, guidelines & protocols. It also includes health & safety training along with a separate COVID 19 training session.
- The above is applicable to old and new staff.
- Staff are regularly updated with updates on protocols through staff stand ups, staff notices and our staff social app.

During a guest's stay:

- An adequate supply of clean towels, linens, toilet paper, hand soap etc. is available prior to the guest entering the room
- If a guest requires additional items such as above these are left at the guests' door.
- Large garbage bags are provided under the sink for guest to put any dirty linen in and to be left outside their door for housekeeping to collect. Advise guests to call when they would like dirty linen to be collected to avoid it sitting for a long period of time.

Covid 19 Safety Plan

Housekeeping

After a guest's stay:

- Staff must practise diligent hand washing.
- A complete through cleaning & disinfection of all hard surfaces will be given
- Special attention will be made to high touch surfaces such as toilets, sinks, doorknobs, light switches, telephones, garbage cans, fridges & remotes
- Remove all cloth items and put in laundry bin.

Waste Management:

- Staff should wear gloves when removing garbage and dispose immediately
- Guests are to call Front Desk if they would like their garbage picked up and to leave it outside their room.

Laundry:

- Staff are to wear disposable gloves when handling dirty laundry and dispose after use. Wash hands immediately
- Use the highest possible temperature for item

Public Spaces (Lobby, public washrooms):

- Washrooms are sanitized minimum twice a day.
- The lobby and high touch areas in the lobby are cleaned every 4 hours as per cleaning schedule (via FD Team)

See attached cleaning schedule

Vehicles:

- Work vehicles (shuttle) are currently not in action. There is no vehicle availability for guests.
- The Toro used to transport garbage (used 3-5 times a day) has high touch surfaces sanitized after each use.

Fourth level protection: Using masks (optional measure in addition to other control measures)

Covid 19 Safety Plan

Housekeeping

- ✓ We have reviewed the information on **selecting and using masks** and **instructions on how to use a mask**.
- ✓ We understand the limitations of masks and other PPE. We understand that PPE should only be used in combination with other control measures.
- ✓ We have trained workers to use PPE properly, following manufacturers' instructions for use and disposal.
 - Staff are to wear masks when they cannot physically distance.
 - Gloves are to be used as stated previously above, and available for staff as they require.

Covid 19 Safety Plan

Indoor & Outdoor Swimming Pool, Hot Tubs

See also Hotel General Safety Plan

1. The indoor & outdoor pool and Hot Tubs will be open between the hours of 9AM – 9PM
2. Changing Rooms will remain closed

First level protection (elimination): Limit the number of people in the pool area and ensure physical distance whenever possible

Occupancy limits

- There is a limit of 20 people in indoor pool, and 30 people outdoor pool
- The Indoor and Outdoor Hot Tub can have 4 individuals physically distanced or 2 family groups. **MAXIMUM 8 GUESTS AT ANY TIME**
- Guests are expected to respect physical distancing guidelines at all time; stay 2m apart from those that are not part of your family group.
- Hot Tubs and Pools Occupancy will be monitored through security cameras and regular checks from staff.

Second level protection (engineering): Signage and partitions

- Entrance and exit to the pool will be through the changing rooms on a one-way system. **(ALL CHANGING ROOM FACILITIES SUCH AS TOILETS, LOCKERS, SHOWERS, CHANGING ROOM WILL NOT BE IN USE)**
- Signage will prompt guests where to go
- There is a one way system around the pool, please follow signs

Third level protection (administrative): Rules and guidelines

- Upon entering the pool area, signage will prompt the guests are to answer the following questions:
 - Do you have a fever, cough, sneezing, sore throat and/or difficulty breathing, and are these conditions are new or worsening?
 - Have you travelled outside of Canada in the last 14 days?
 - Do you believe you have been exposed to COVID-19?

If a client answers "YES" to any of these questions they should not enter your facility for the protection of your other customers and employees.

- A separate Hand Sanitizer station for guests at the entrance will be made available.
- Families must remain in their groups in the pool and must follow 2 metre social distancing.

Cleaning

- In addition to our pool procedures, Minimum disinfection level of 3.0ppm of Free Available Chlorine. If you use a stabilized chlorine product, then ensure cyanuric acid level is between 30 – 50 ppm or there is a risk that Free Available Chlorine may not be

Covid 19 Safety Plan

Indoor & Outdoor Swimming Pool, Hot Tubs

able to keep the water disinfected to the level required. It will be tested 2 times a day and recorded.

- **Peroxide Multi Surface Cleaner** will be used as the disinfectant.
- A sanitizing station will be available for guests to use.
- All high touch surfaces are cleaned every 2 hours by staff and signed off on a cleaning checklist.

Other Pool Notes:

- No seating is available for guests.
- Pool toys are NOT allowed.
- Towels are provided at the pool entrance and are to be placed in the provided dirty hamper before departing the pool area.
- Copper Point Resort guests only. **Absolutely no outside visitors allowed, no exceptions.**

Fourth level protection: Using masks (optional measure in addition to other control measures)

Staff will wear masks when physical distancing is not possible.

Covid 19 Safety Plan

Maintenance

Please also see Hotel General Safety Plan

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible

We have implemented measures to keep workers and others at least 2 metres apart, wherever possible. Options include revising work schedules and reorganizing work tasks.

Changes to work schedules

- Where possible staff hours have been reduced.
- Scheduled staff are also kept to a minimum based on the hotels occupancy.
- Staff work the same schedule as much as possible so staff remain in bubbles.

Occupancy limits for workers

- While we are reducing staff hours, it is not always going to be possible to have an occupancy limit for workers due to the demand in the hotel. Please see 2,3,4 level protection.

Second level protection (engineering): Barriers and partitions

- Staff do not go into a room unless a guest consents to and the staff member is happy to do so. (to fix things such as broken toilets that need immediate attention)
- If room maintenance is necessary when room is occupied, practice proper hygiene and physical distancing to ensure the safety of staff and guests.
- If physical distancing cannot be maintained staff are to wear a mask.

Third level protection (administrative): Rules and guidelines

Equipment:

- Clean and disinfect all shared tools and equipment after each shift or when tools are transferred between workers.

Waste Management:

- Staff should wear gloves when removing garbage and dispose of immediately after.

Cleaning Schedule (see attachment):

Deliveries:

We do not sign for deliveries. Staff are to sanitize/wash hands after handling a delivery.

Vehicles:

- Work vehicles (shuttle) are currently not in action. There is no vehicle availability for guests.
- The Toro used to transport garbage (used 3-5 times a day) has high touch surfaces sanitized after each use.
- Maximum one person in the Toro at any time.

Covid 19 Safety Plan

Maintenance

- Work trucks are used by one person at a time, and to be sanitized after each use.

Fourth level protection: Using masks (optional measure in addition to other control measures)

- ✓ We have reviewed the information on **selecting and using masks** and **instructions on how to use a mask**.
 - ✓ We understand the limitations of masks and other PPE. We understand that PPE should only be used in combination with other control measures.
 - ✓ We have trained workers to use PPE properly, following manufacturers' instructions for use and disposal.
- Staff are to wear masks when they cannot physical distance from one another or guests.

Covid 19 Safety Plan

Sports Court/Children's Play Structure

Please also see Hotel General Safety Plan

First level protection (elimination): Limit the number of people at the workplace and ensure physical distance whenever possible



We have **established and posted occupancy limits** for common areas such as break rooms, meeting rooms, change rooms, washrooms, and elevators. .

- We have put an occupancy limit of 10 guests for the Sports Court

Second level protection (engineering): Barriers and partitions

Hand sanitizer is at the entrance of the sports court

- **WE DO NOT SANITIZE THE PLAY STRUCTURE – GUESTS USE AT OWN RISK**

Third level protection (administrative): Rules and guidelines

Please see attached Company Statement and Poster

- Sanitize your hands before and after you leave the Sports Court
- Please keep 2 metres distance between family groups
- Bring your OWN equipment. CPR will not provide any sports equipment.
- Maximum occupancy of 10 at all times in the Sports Court
- **Copper Point Resort guests only. Absolutely no outside visitors allowed, no exceptions.**

Fourth level protection: Using masks (optional measure in addition to other control measures)

n/a

ECOLAB®

Peroxide Multi Surface Cleaner and Disinfectant

Oasis Pro™

CONCENTRATE ACTIVE INGREDIENT:	
Hydrogen Peroxide	8.000%
OTHER INGREDIENTS:	
TOTAL	92.000%
	100.000%

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

EPA Reg. No. 1877-238

USE SOLUTION

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758551/5407/1215

Part No. 9215-3242

**USE DILUTION PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

PRECAUTIONARY STATEMENTS

Causes moderate eye irritation. Avoid contact with eyes or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

FOR EMERGENCY MEDICAL INFORMATION IN USA, CALL: 1-800-328-0026.

Follow the directions for use listed on the concentrate label when applying this product.

1. Diluted product in this container up to 6 oz per gallon water.
2. Diluted product in this container is _____ oz. per gallon water.

**DO NOT DRINK
NOT TO BE SOLD OR DISTRIBUTED.
USE SOLUTION PREPARED BY END USER**

Manufactured by:
Ecolab Inc.
370 Wabasha Street N.
St. Paul, MN 55102
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758551/5407/1215

Part No. 9215-3242

ECOLAB®

Peroxide Multi Surface Cleaner and Disinfectant

Oasis Pro™

CONCENTRATE ACTIVE INGREDIENT:	
Hydrogen Peroxide	8.000%
OTHER INGREDIENTS:	
TOTAL	92.000%
	100.000%

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

EPA Reg. No. 1877-238

USE SOLUTION

**USE DILUTION PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION

PRECAUTIONARY STATEMENTS

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OTHER INGREDIENTS:	
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	100.000%

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758551/5407/1215

Part No. 9215-3242



SAFETY DATA SHEET

Received April 06/2020

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER
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 Co. 5105 Tomken Road Mississauga, Ontario Canada L4W 2X5 1-800-352-5326
Emergency health information	: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date	: 02/28/2018

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Product AS SOLD

- : Category 4
Acute toxicity (Oral)
- : Category 4
Acute toxicity (Dermal)
- : Category 1A
Skin corrosion
- : Category 1
Serious eye damage
- : Category 1
Skin sensitization

Product AT USE DILUTION

- : Category 2B
Eye irritation
- : Category 1
Skin sensitization

GHS Label element

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.

Precautionary Statements

- : **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

IF SWALLOWED: Call a POISON CENTER or doctor/ physician 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. 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 or doctor/ physician.

If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

Storage:

Store locked up.

Disposal:

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

Product AT USE DILUTION

Hazard pictograms :



Signal Word :

Warning

Hazard Statements :

May cause an allergic skin reaction.
Causes eye irritation.

Precautionary Statements :

Prevention:

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response:

IF ON SKIN: Wash with plenty of 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 or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

Disposal:

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

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

dodecylbenzene sulfonic acid
Hydrogen peroxide
sulphuric acid

CAS-No.

27176-87-0
7722-84-1
7664-93-9

Concentration: (%)

5 - 10
5 - 10
0.1 - 1

Product AT USE DILUTION

No hazardous ingredients

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND 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

- : 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. FIREFIGHTING 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 firefighting

- : Not flammable or combustible.

Hazardous combustion products

- : Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur oxides
Oxides of phosphorus

Special protective equipment for firefighters

- : Use personal protective equipment.

Specific extinguishing

- : Fire residues and contaminated fire extinguishing water must be

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

methods

disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Risk of explosion.

: Not available.

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). 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). 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/vapours/spray. Use only with adequate ventilation. 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 strong bases. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

: 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

: Do not get in eyes, on skin, or on clothing. 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

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Product AS SOLD Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Hydrogen peroxide	7722-84-1	TWA	1 ppm 1.4 mg/m ³	CAD AB OEL
		TWA	1 ppm	CAD BC OEL
		VME	1 ppm 1.4 mg/m ³	OEL (QUE)
Hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m ³	NIOSH REL
		TWA	1 ppm 1.4 mg/m ³	OSHA Z1
sulphuric acid	7664-93-9	TWA	1 mg/m ³	CAD AB OEL
		STEL	3 mg/m ³	CAD AB OEL
		TWA (Thoracic)	0.2 mg/m ³	CAD BC OEL
		VME	1 mg/m ³	OEL (QUE)
		STEV	3 mg/m ³	OEL (QUE)
sulphuric acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m ³	ACGIH
		TWA	1 mg/m ³	NIOSH REL
		TWA	1 mg/m ³	OSHA Z1

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

Personal protective equipment

Eye protection : No special protective equipment required.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

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

Product AS SOLD

Appearance : liquid

Colour : clear, yellow

Odour : Disinfectants

pH : 0.5 - 1.5, (100 %)

Flash point : Not applicable.

Odour 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) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : 1.025 - 1.049

Water solubility : no data available

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available

Auto-ignition 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

Product AT USE DILUTION

liquid

yellow

Disinfectants

2.0 - 2.5

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

: None known.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Incompatible materials : None known.

Hazardous decomposition products : Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur 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 severe skin burns. May cause allergic skin reaction. Harmful in contact with skin.

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 : May cause allergic skin reaction.

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 : Redness, Irritation, Allergic reactions

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Toxicity

Product AS SOLD Product

Acute oral toxicity	: no data available
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 40 mg/l Test atmosphere: vapour
Acute dermal toxicity	: 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 oral toxicity	: dodecylbenzene sulfonic acid LD50 rat: 890 mg/kg
	Hydrogen peroxide LD50 rat: 486 mg/kg

Section: 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

Environmental Effects	: Toxic 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	: dodecylbenzene sulfonic acid 96 h LC50: 4.3 mg/l
	sulphuric acid 96 h LC50: 22 mg/l

Components

Toxicity to algae	: Hydrogen peroxide 72 h EC50: 1.38 mg/l
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Persistence and degradability

Product AS SOLD

Not applicable - Biocide

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

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

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 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 (TDG)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Drug Identification Number : 02412314
(DIN)

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

United States TSCA Inventory :
On TSCA Inventory

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

Australia. Industrial Chemical (Notification and Assessment) Act :
not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :
On the inventory, or in compliance with the inventory

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

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

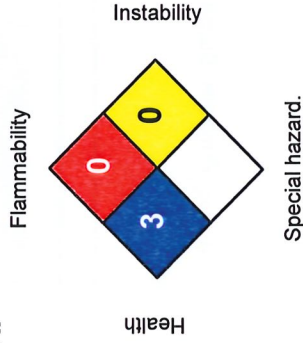
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

China Inventory of Existing Chemical Substances :
not determined

Taiwan Chemical Substance Inventory :
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



SAFETY DATA SHEET

Received April 06/2020

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	: PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER
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 Co. 5105 Tomken Road Mississauga, Ontario Canada L4W 2X5 1-800-352-5326
Emergency health information	: 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)
Issuing date	: 02/28/2018

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
Skin sensitization : Category 1

Product AT USE DILUTION

Eye irritation : Category 2B
Skin sensitization : Category 1

GHS Label element

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.

Precautionary Statements

: **Prevention:**
Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

IF SWALLOWED: Call a POISON CENTER or doctor/ physician 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. 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 or doctor/ physician.

If skin irritation or rash occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

Storage:

Store locked up.

Disposal:

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

Product AT USE DILUTION

Hazard pictograms :



Signal Word :

Warning

Hazard Statements :

May cause an allergic skin reaction.

Causes eye irritation.

Precautionary Statements :

Prevention:

Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Response:

IF ON SKIN: Wash with plenty of 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 or rash occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

Disposal:

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

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

dodecylbenzene sulfonic acid
Hydrogen peroxide
sulphuric acid

CAS-No.

27176-87-0
7722-84-1
7664-93-9

Concentration: (%)

5 - 10
5 - 10
0.1 - 1

Product AT USE DILUTION

No hazardous ingredients

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND 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

- : 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. FIREFIGHTING 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 firefighting

- : Not flammable or combustible.

Hazardous combustion products

- : Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur oxides
Oxides of phosphorus

Special protective equipment for firefighters

- : Use personal protective equipment.

Specific extinguishing

- : Fire residues and contaminated fire extinguishing water must be

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

methods

disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Risk of explosion.

: Not available.

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). 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). 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/vapours/spray. Use only with adequate ventilation. 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 strong bases. Keep out of reach of children. Store in suitable labeled containers.

Storage temperature

: 0 °C to 50 °C

Product AT USE DILUTION

Advice on safe handling

: Do not get in eyes, on skin, or on clothing. 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

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Product AS SOLD Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Hydrogen peroxide	7722-84-1	TWA	1 ppm 1.4 mg/m ³	CAD AB OEL
		TWA	1 ppm	CAD BC OEL
		VME	1 ppm 1.4 mg/m ³	OEL (QUE)
Hydrogen peroxide	7722-84-1	TWA	1 ppm	ACGIH
		TWA	1 ppm 1.4 mg/m ³	NIOSH REL
		TWA	1 ppm 1.4 mg/m ³	OSHA Z1
sulphuric acid	7664-93-9	TWA	1 mg/m ³	CAD AB OEL
		STEL	3 mg/m ³	CAD AB OEL
		TWA (Thoracic)	0.2 mg/m ³	CAD BC OEL
		VME	1 mg/m ³	OEL (QUE)
		STEV	3 mg/m ³	OEL (QUE)
sulphuric acid	7664-93-9	TWA (Thoracic fraction)	0.2 mg/m ³	ACGIH
		TWA	1 mg/m ³	NIOSH REL
		TWA	1 mg/m ³	OSHA Z1

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

Personal protective equipment

Eye protection : No special protective equipment required.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

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

Product AS SOLD

Appearance : liquid

Colour : clear, yellow

Odour : Disinfectants

pH : 0.5 - 1.5, (100 %)

Flash point : Not applicable.

Odour 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) : no data available

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : 1.025 - 1.049

Water solubility : no data available

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water : no data available

Auto-ignition 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

Product AT USE DILUTION

liquid

yellow

Disinfectants

2.0 - 2.5

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 : None known.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Incompatible materials : None known.

Hazardous decomposition products : Decomposition products may include the following materials:
Carbon oxides
nitrogen oxides (NOx)
Sulphur 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 severe skin burns. May cause allergic skin reaction. Harmful in contact with skin.

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 : May cause allergic skin reaction.

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 : Redness, Irritation, Allergic reactions

Ingestion : No symptoms known or expected.

Inhalation : No symptoms known or expected.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Toxicity

Product AS SOLD Product

Acute oral toxicity	: no data available
Acute inhalation toxicity	: 4 h Acute toxicity estimate : > 40 mg/l Test atmosphere: vapour
Acute dermal toxicity	: 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 oral toxicity	: dodecylbenzene sulfonic acid LD50 rat: 890 mg/kg
	Hydrogen peroxide LD50 rat: 486 mg/kg

Section: 12. ECOLOGICAL INFORMATION

Product AS SOLD Ecotoxicity

Environmental Effects	: Toxic 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	: dodecylbenzene sulfonic acid 96 h LC50: 4.3 mg/l
	sulphuric acid 96 h LC50: 22 mg/l

Components

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

Persistence and degradability

Product AS SOLD

Not applicable - Biocide

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

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

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 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 (TDG)

Not dangerous goods

Sea transport (IMDG/IMO)

Not dangerous goods

Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

Drug Identification Number : 02412314
(DIN)

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

United States TSCA Inventory :
On TSCA Inventory

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

Australia. Industrial Chemical (Notification and Assessment) Act :
not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :
On the inventory, or in compliance with the inventory

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

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

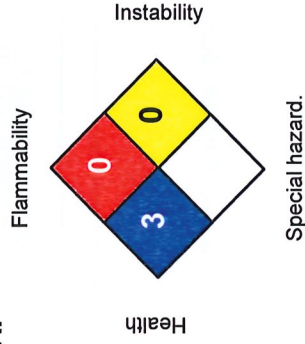
Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

China Inventory of Existing Chemical Substances :
not determined

Taiwan Chemical Substance Inventory :
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

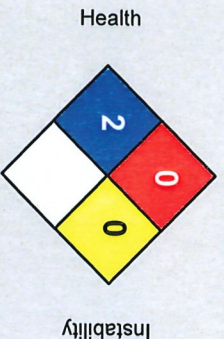
SAFETY DATA SHEET

PEROXIDE MULTI SURFACE DISINFECTANT AND CLEANER

NEPA:

Flammability

HMIS III:



HEALTH	2*
FLAMMABILITY	0
PHYSICAL HAZARD	0

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

Issuing date

: 02/28/2018

Version

: 1.3

Prepared by

: Regulatory Affairs 1-800-352-5326

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.

ECOLAB®

Oasis™ 146 Multi-Quat Liquid Sanitizer

Sanitizer - Deodorizer for
Institutional and Industrial Use

Assainisseur - Désodorisant pour
établissements et industrie

USE SOLUTION | SOLUTION PRÉPARÉE

FOR INDUSTRIAL USE ONLY - DO NOT DRINK

Read the concentrated product label for use directions, precautions and first aid information.

KEEP OUT OF REACH OF CHILDREN

Not a hazardous substance or mixture.

Wash hands thoroughly after handling. Get medical advice/ attention if you feel unwell.

READ SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT.

EMERGENCY HEALTH INFORMATION: 1 800 328 0026. If located outside the United States and Canada, call collect 1 651 222 5352 (number is in the US).

POUR USAGE INDUSTRIAL SEULEMENT - NE PAS BOIRE

Mode d'emploi, précautions et premiers soins sur l'étiquette du concentré.

GARDER HORS DE PORTÉE DES ENFANTS

Pas une substance ni un mélange dangereux.

Se laver les mains soigneusement après manipulation. Consulter un médecin en cas de malaise.

LIRE LA FICHE SIGNALÉTIQUE AVANT D'UTILISER CE PRODUIT.

INFORMATION DE SANTÉ D'URGENCE: 1 800 328 0026. Si à l'extérieur des États-Unis et du Canada, appelez à frais virés le 1 651 222 5352 (numéro aux États-Unis).

Formula ingredients contain no phosphorus. | Les ingrédients de la formule ne contiennent pas de phosphore.
Contains | Contient: water, 7732-18-5; quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, 68424-95-3; benzalkonium chloride, 68424-85-1; octyl decyl dimethyl ammonium chloride, 32426-11-2; ethanol, 64-17-5; didecyl dimethyl ammonium chloride, 7173-51-5; dioctyl dimethyl ammonium chloride, 5538-94-3.

Ecolab - 1 Ecolab Place - St. Paul MN 55102 USA - tel: 1 800 35 CLEAN (352 5326)
5105 Tomken Road - Mississauga ON L4W 2K5 Canada
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www.ecolab.com - 750571/5402/0316

Part No. 9215-2740

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Sanitizer - Deodorizer for
Institutional and Industrial Use

Assainisseur - Désodorisant pour
établissements et industrie

USE SOLUTION | SOLUTION PRÉPARÉE

FOR INDUSTRIAL USE ONLY - DO NOT DRINK

Read the concentrated product label for use directions, precautions and first aid information.

KEEP OUT OF REACH OF CHILDREN

Not a hazardous substance or mixture.

Wash hands thoroughly after handling. Get medical advice/ attention if you feel unwell.

READ SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT.

EMERGENCY HEALTH INFORMATION: 1 800 328 0026. If located outside the United States and Canada, call collect 1 651 222 5352 (number is in the US).

POUR USAGE INDUSTRIAL SEULEMENT - NE PAS BOIRE

Mode d'emploi, précautions et premiers soins sur l'étiquette du concentré.

GARDER HORS DE PORTÉE DES ENFANTS

Pas une substance ni un mélange dangereux.

Se laver les mains soigneusement après manipulation. Consulter un médecin en cas de malaise.

LIRE LA FICHE SIGNALÉTIQUE AVANT D'UTILISER CE PRODUIT.

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Part No. 9215-2740

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USE SOLUTION | SOLUTION PRÉPARÉE

FOR INDUSTRIAL USE ONLY - DO NOT DRINK

Read the concentrated product label for use directions, precautions and first aid information.

KEEP OUT OF REACH OF CHILDREN

Not a hazardous substance or mixture.

Wash hands thoroughly after handling. Get medical advice/ attention if you feel unwell.

READ SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT.

EMERGENCY HEALTH INFORMATION: 1 800 328 0026. If located outside the United States and Canada, call collect 1 651 222 5352 (number is in the US).

POUR USAGE INDUSTRIAL SEULEMENT - NE PAS BOIRE

Mode d'emploi, précautions et premiers soins sur l'étiquette du concentré.

GARDER HORS DE PORTÉE DES ENFANTS

Pas une substance ni un mélange dangereux.

Se laver les mains soigneusement après manipulation. Consulter un médecin en cas de malaise.

LIRE LA FICHE SIGNALÉTIQUE AVANT D'UTILISER CE PRODUIT.

INFORMATION DE SANTÉ D'URGENCE: 1 800 328 0026. Si à l'extérieur des États-Unis et du Canada, appelez à frais virés le 1 651 222 5352 (numéro aux États-Unis).

Formula ingredients contain no phosphorus. | Les ingrédients de la formule ne contiennent pas de phosphore.
Contains | Contient: water, 7732-18-5; quaternary ammonium compounds, di-C8-10-alkyldimethyl, chlorides, 68424-95-3; benzalkonium chloride, 68424-85-1; octyl decyl dimethyl ammonium chloride, 32426-11-2; ethanol, 64-17-5; didecyl dimethyl ammonium chloride, 7173-51-5; dioctyl dimethyl ammonium chloride, 5538-94-3.

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Part No. 9215-2740

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : OASIS 146 MULTI-QUAT SANITIZER

Other means of identification : Not applicable

Recommended use : Sanitizer

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : 0.2 % - 3.125 %

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 : 04/11/2019

SECTION 2. HAZARDS IDENTIFICATION
GHS Classification
Product AS SOLD

Acute toxicity (Oral) : Category 4

Skin corrosion : Category 1A

Serious eye damage : 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.
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 to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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.

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 : None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product AS SOLD

Pure substance/mixture : Mixture

Chemical name	CAS-No.	Concentration (%)
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	3
Octyl decyl dimethyl ammonium chloride	32426-11-2	2.25
ethanol	64-17-5	1 - 5
Didecyl Dimethyl Ammonium Chloride	7173-51-5	1.35
Dioctyl dimethyl ammonium chloride	5538-94-3	0.9

Product AT USE DILUTION

Chemical name	CAS-No.	Concentration (%)
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	0.0938
Octyl decyl dimethyl ammonium chloride	32426-11-2	0.0703
Didecyl Dimethyl Ammonium Chloride	7173-51-5	0.0421
Dioctyl dimethyl ammonium chloride	5538-94-3	0.0201

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.

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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.
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 Nitrogen oxides (NOx)
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

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.

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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 : 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. Wash hands thoroughly after handling.

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

Storage temperature : 0 °C to 50 °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

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z1

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.

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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

	Product AS SOLD	Product AT USE DILUTION
Appearance	: liquid	liquid
Color	: red	light red
Odor	: Disinfectants	Disinfectants
pH	: 7.7, (100 %)	6.0 - 9.0
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)	: No data available	
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	: 0.998	
Water solubility	: soluble	
Solubility in other solvents	: No data available	

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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

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	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides (NO _x)

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	: 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.

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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	: Acute toxicity estimate : 301 mg/kg
Acute inhalation toxicity	: No data available
Acute dermal toxicity	: LD50 Rabbit: > 5,000 mg/kg Test substance: Product
Skin corrosion/irritation	: Corrosive Test substance: Product
Serious eye damage/eye irritation	: Corrosive Test substance: Product
Respiratory or skin sensitization	: Not a skin sensitizer. Test substance: Product
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 inhalation toxicity	: n-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

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ethanol
4 h LC50 Rat: 117 mg/l
Test atmosphere: vapor

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

Components

Toxicity to fish : Octyl decyl dimethyl ammonium chloride
96 h LC50 Fish: 1 mg/l

ethanol
96 h LC50 Pimephales promelas: > 100 mg/l

Didecyl Dimethyl Ammonium Chloride
96 h LC50 Fish: 1 mg/l

Diocetyl dimethyl ammonium chloride
96 h LC50 Oncorhynchus mykiss (rainbow trout): 0.35 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride
48 h EC50 Daphnia magna (Water flea): 0.016 mg/l

Diocetyl dimethyl ammonium chloride
96 h LC50 Americamysis bahia: 0.073 mg/l

Components

Toxicity to algae : Diocetyl dimethyl ammonium chloride
72 h EC50 Pseudokirchneriella subcapitata (algae): 0.122 mg/l

Persistence and degradability

Product AS SOLD

Not applicable - Biocide

Product AT USE DILUTION

Not applicable - Biocide

SAFETY DATA SHEET

OASIS 146 MULTI-QUAT SANITIZER

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

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 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)

- UN number : 3082
- Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Quaternary ammonium compound)
- Class : 9
- Packing group : III
- Marine pollutant : yes

SECTION 15. REGULATORY INFORMATION

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Product AS SOLD

EPA Registration number : 1677-198

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 : 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 defects.

California Cleaning Product Right to Know Act of 2017 (SB 258)

This regulation applies to this product.

Chemical Name	CAS-No.	Function	List(s)
water	7732-18-5	Diluent	Not Applicable
n-alkyl (C14 50%; C12 40%; C16 10%) dimethyl benzyl ammonium chloride	68424-85-1	Biocide	Not Applicable
Octyl decyl dimethyl ammonium chloride	32426-11-2	Biocide	Not Applicable
Didecyl Dimethyl Ammonium Chloride	7173-51-5	Biocide	Not Applicable
Dioctyl dimethyl ammonium chloride	5538-94-3	Biocide	Not Applicable
Colorant	Withheld	Dye	Not Applicable

*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 :

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

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

Korea. Korean Existing Chemicals Inventory (KECI) :
On the inventory, or in compliance with the inventory

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

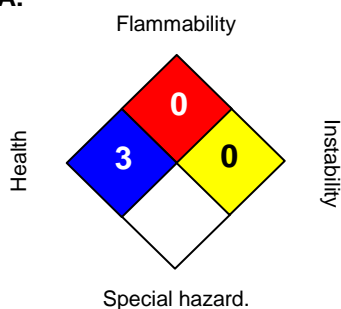
China. Inventory of Existing Chemical Substances in China (IECSC) :
On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) :
On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Product AS SOLD

NFPA:



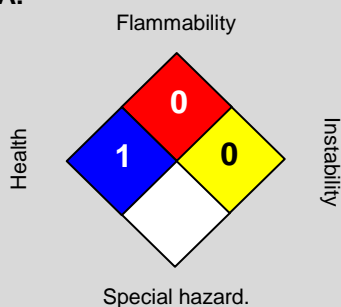
HMIS III:

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	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

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

Issuing date : 04/11/2019
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 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

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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.