

SOUTH ARBOR CHARTER ACADEMY
2021-2022 SAFE RETURN TO SCHOOL &
CONTINUITY OF LEARNING PLAN

Updated: November 1, 2021

Finalized: December 8, 2021

Overview: Consistent with our charter, we believe that the best learning environment for our students includes regular, day-to-day, in-school instruction provided by a teacher. Our goal is to have a traditional, in-school learning environment for our students if this can be accomplished while keeping students and staff safe and healthy. As we pursue this goal, we continually seek guidance from the U.S. Centers for Disease Control (CDC) on best practices in mitigating the spread of COVID-19. This document summarizes our school's *Safe Return to School* plan for the 2021-22 school year. As guidelines advanced by the CDC and by state, and local health department change and are released for the upcoming school year, the school will update its plan and practice. These updates will occur every six months, and more frequently if needed.

If necessary, the school is prepared to transition to hybrid or remote learning environments. We are committed to providing all students with a high-quality education regardless of the learning environment(s) we use throughout the year. In anticipation of possible interruptions to in-person instruction, our management partner, National Heritage Academies (NHA), has provided a Chromebook or laptop device to each student. This investment in technology was made to ensure a seamless transition between models when necessary.

Background on learning models: At the beginning of the 2020-21 school year, we knew that changes in our learning model would be required to keep students and staff safe and healthy. We began the school year prepared to operate in various modes as necessary throughout the year. Detailed plans were created around each learning scenario, which included:

- *In-person learning:* a return to a traditional classroom environment.
- *Remote learning:* teaching and learning done completely at home.
- *Hybrid learning:* a combination of in-person and remote instruction.
- *Virtual learning:* teaching and learning in a fully online environment. These students were enrolled in fully online learning regardless of what learning model the rest of the school is using.

These detailed plans were created by the school, its management partner, NHA, and its Board. They were made available for public comment when the Board was reviewing and approving it and documented as the *COVID-19 Preparedness & Response Plan* and *Extended COVID-19 Learning Plan*. The approved plan was posted on the school's website and has been available throughout the year at: <https://www.nhaschools.com/schools/South-Arbor-Charter-Academy/en/Transparency-Reports>

Moving forward: As we began the 2021-22 school year, we have continually updated our practices and procedures to address the changing needs and challenges we have faced because of this pandemic.

Personal protective equipment: The school follows CDC, state, and local guidelines for using masks and face coverings. Masks and face coverings can be homemade items or disposable level-one surgical masks. Masks need to be worn by all staff, students, and visitors (by appointment only) throughout the day unless an underlying health condition or sensory issue exempts them. If students are unable to obtain a mask, additional masks are made available in the school's main office as needed. Staff and students are required to wash cloth facial coverings or dispose of disposable masks daily.

Students are instructed to use masks properly. In situations where a student is refusing to wear a mask properly, we offer education to emphasize the importance of a healthy and safe school community. In the event of continued non-compliance, the school reaches out to the parent/guardian for support.

We will revisit the need to require staff and students to wear masks based on CDC, state, and local health department guidelines.

Social/physical distancing: The school uses staggered arrival times and/or multiple entrances/exits to allow for social distancing. Social distancing reminder signs are placed throughout the school building. Social distancing floor/seating markings are established in waiting/reception areas. Students eat in their classrooms to allow for social distancing. Each classroom has materials to disinfect commonly shared items such as computers and curricular tools.

Hygiene and cleaning: We have made several significant changes with our janitorial service partner, Aramark, such as increasing manpower, changing management structure, improving training, increasing accountability, and adding monthly performance audits. In addition to baseline janitorial services, Aramark also provides additional cleaning services due to COVID-19. These include:

- All high-touch-point locations – light switches, door handles, bathroom faucet handles, and so on – are disinfected and cleaned at least once a day in accordance with CDC guidance.
- All cleaning materials are EPA-approved for use against COVID-19.
- Aramark provides the school all necessary materials. For example:
 - Aramark is ensuring that each classroom has hand sanitizer, a spray bottle of disinfectant cleaner, paper towels, and instructions on how to properly use the provided materials when additional cleaning/disinfecting is needed in classrooms.
 - Aramark is also ensuring that the school stocks plenty of hand soap to stay ahead of any shortage. Dispensers of soap, hand sanitizer, and disinfectant cleaner are refilled, as necessary.
- All janitorial staff have been trained on cleaning and disinfecting specifically for COVID-19.

We have also updated our Facilities Preparedness and Response Plan (attached as Appendix A). Here are highlights:

- Following CDC guidelines, we have created an action plan to be used if there is a suspected or confirmed case of COVID-19 in the school building. This plan includes

disinfection and cleaning tasks based on the timeline of when an individual with a suspected or confirmed case was last in the school building.

- We store cleaning and disinfection products safely and in compliance with standards.

In addition to the added efforts of our provider of janitorial services, we are all joining in the effort to promote safe hygiene habits. Hand-sanitizing stations are provided throughout the building, and handwashing posters offer instruction on, and reinforcement of, proper handwashing techniques.

Monitoring student and staff health: The school cooperates with the local public health department in screening and testing students and staff where required. Staff members complete daily wellness checks before arriving at work to ensure they do not exhibit COVID-19 symptoms (fever, cough, shortness of breath, or difficulty breathing). NHA has created a daily health-screening app for this check. Staff members use their mobile device to scan a QR code and complete the required screening survey.

We monitor and follow local health department and state recommendations. If an employee or student shows COVID-19 symptoms or runs a fever of 100.4 or higher, they are sent directly home or to an identified isolation room until they can be safely picked up. When the isolation room is in use, the student and any staff member supervising the student are required to wear masks.

Confirmed cases: If there is a confirmed case, the school's Business Partner from NHA's People Services team –

- reports the case to the local department of health if required;
- partners with the principal and NHA's communications team to ensure that proper stakeholders are notified in a timely manner; and
- ensures compliance with all requirements related to employee and student confidentiality and to the Health Insurance Portability and Accountability Act of 1996 (HIPAA).

Staff and students with probable or confirmed cases of COVID-19 can return to school after they have complied with any CDC isolation guidelines and:

- they have received a negative COVID-19 test; and
- 10 days have elapsed since the individual first had symptoms;

When there are suspected or confirmed COVID-19 cases in the building within the last three days, the Facilities Preparedness and Response Plan calls for a move into a Level 3 Response Procedure (see Appendix A).

Vaccinations: NHA has provided us up-to-date information and resources on vaccination in our state and county.

Continuity of Learning for Special Populations: Students with IEPs or 504s access the same learning opportunities offered to general education students. These learning activities and supports address student needs identified in IEPs and/or 504 plans to the extent appropriate. To accomplish this goal, special education providers collaborate with general education teachers to ensure provision of accommodations and modifications (when appropriate) that allow students

to access learning opportunities. Individualized accommodations are documented and shared with classroom teachers for each student. Teachers of students who are English Learners (ELs) work with classroom teachers to provide necessary scaffolds to schoolwork to ensure that EL students have access to the core content.

The school complies with the regulations imposed by the state and by the Individuals with Disabilities Education Act (IDEA), which strives to ensure that all children with disabilities receive an Individual Educational Program (IEP) designed to address their unique needs. All required components of the IEP are addressed, including a description of the student's present level of academic achievement and functional performance. These descriptions cover disability-related needs, goals and objectives, supplemental aides and services, program services, ancillary services, and extended school year.

All students with disabilities are considered general education students first. Each IEP is designed to ensure that eligible students receive a free appropriate public education (FAPE) and specialized instruction delivered by highly qualified special education staff within the least restrictive environment (LRE). Before school opens, we review registration forms to identify students with current IEPs from any schools they have previously attended. We inform parents of their rights, procedures, and responsibilities under special education law. Decisions about an IEP are made by the school's IEP Team. Required participants on this team include general and special education providers and administrators. Parents are also encouraged to join the IEP Team.

As much as appropriate, children who are disabled are educated with children who are nondisabled. Special classes, separate schooling, or other removal of children with disabilities from the regular educational environment occurs only if the nature or severity of the disability is such that satisfactory education in regular classes with supplemental aids and services cannot be achieved.

To meet LRE requirements, the school ensures that a continuum of placement options is available to students with disabilities, including:

- services provided within the general education classroom;
- pull-out services;
- special classes;
- home instruction;
- instruction in hospitals and institutions; and
- in special circumstances, access to programs and services in settings outside the school.

The Individualized Education Program Team (IEPT) makes decisions about student placement.

Continuity of food services: We meet all guidance and procedures set forth by the CDC and by state and local health departments related to food service models and operations for students. Meals are served in a unitized manner during the school year to avoid contamination. We provide staff additional PPE, including gloves, masks, cleaning chemicals, and hand sanitizer. Sneeze guards have been added to all food distribution carts. Cutlery, seasonings, and sauces are placed directly on individual trays.

In the event of a COVID-19 outbreak, we work with school nutrition agencies and local health departments to ensure that we comply with all requirements. We continue serving food when schools are closed when that is allowed and can be done safely. We continue to provide meal service to the extent applicable. We notify parents when food is available via the SchoolMessenger system (which can send emails and texts to each family), school newsletters and updates, and our website as appropriate.

Mental health, behavioral, and emotional support services and support: Traumatic experiences like COVID-19 can impact learning, behavior, and relationships at school. Research clearly indicates that a traumatic experience in childhood can diminish concentration, memory, and the development of language that children need to be successful at school. The COVID-19 pandemic is not only affecting children's physical health and academic experience but also taking a deep emotional toll. We believe children's well-being comes first, and that young people, like adults, learn best when they are happy, safe, calm, and cared for properly.

As educators, we must do everything possible to reduce the effects of trauma so that students can learn at an optimal level. Trauma does not discriminate between urban and suburban students because people will perceive threats like COVID-19 in their own way. It is imperative that our organization continue to nurture the hearts and minds of our children and staff and show a thoughtful, innovative approach in doing so.

NHA's Leadership Summit, held during the summer, included a general session to discuss steps schools can take to become a Trauma-Informed School. Leadership teams learned how to prioritize re-establishing connections and safety (both physical and emotional), to carry out interventions for Tiers 1, 2, and 3, and to teach social and emotional skills. There were three additional breakout options made available to staff who may not have taken any courses on trauma in the past. Each breakout focused on the self as the first step to becoming trauma-informed.

In addition, to continue the discussion on trauma, we share information on trauma-informed support throughout the school year by emailing a newsletter, providing additional resources, and sharing talking points with parents, families, and staff.

The school also prioritizes the mental and social-emotional health of staff. Leaders hold one-on-one meetings with employees that help leaders assess employees' physical and mental health. We also have an ethics hotline employees can use to report concerns. Additionally, we give employees free access to an employee assistance program, through which they can access a library of resources for self-care as well as free counseling sessions.

Appendix A
COVID-19 Facilities Preparedness and Response Plan
Revised October 15, 2021

NHA Facilities has developed a facilities preparedness and response plan in partnership with Aramark, our janitorial service provider. This plan is intended to be implemented at all NHA schools and the Service Center.

I. General Procedures:

Baseline Janitorial Services: As a baseline, janitorial services will follow an established task and frequency schedule to ensure that facilities are maintained to an APPA 2 cleaning standard. These are cleaning tasks that will occur regardless of COVID-19 prevalence. These tasks include, but are not limited to, daily restroom cleaning/disinfection, vacuuming, hard surface floor care, glass/surface cleaning, and trash removal. High touch points are disinfected daily. Student desks, countertops and conference tables are routinely cleaned/disinfected once per week on a rotating basis.

High touch points are surfaces that have frequent physical contact on a daily basis. Examples include:

| | |
|--------------------------------------|-----------------------------------|
| Classroom doorknobs (inside and out) | Office doorknobs (inside and out) |
| Light switches | Main office countertops |
| Exterior door push bars and handles | Restroom doorknobs and push bars |
| Paper towel dispensers | Faucets |
| Soap dispensers | Drinking fountains |
| Elevator buttons | Handrails |

Assistance from school staff will be needed to accomplish daily disinfection cleaning of student desks and lunch tables. Please see the “Employee Disinfection Responsibilities” section below.

Additional Janitorial Services specifically for COVID-19: Beginning at a Level 2 Exposure Level, janitorial services will follow published CDC guidelines for cleaning and disinfecting to reduce the risk of COVID-19 exposure in our facilities. This includes cleaning all high touch points at least once per day. Cleaning and disinfection will also occur in response to probable or confirmed COVID-19 cases.

All Aramark managers and custodians are well informed of these additional services and are trained on proper disinfection cleaning. *Please note that these additional janitorial services are a top priority and may occasionally take precedence over certain baseline janitorial services to ensure they are completed.*

Any concerns or questions about these additional janitorial services may be directed to your Aramark Regional Manager. NHA Facilities Department may be contacted for additional support.

Employee Disinfection Responsibilities: Disinfection of certain non-porous items and hard surfaces will need to be done by NHA employees. This includes all technology (phones, keyboards, computers, projectors, copiers, printers), desks/workstations, Gym/PE equipment, employee-furnished (personal) furniture and items, and lunch tables. Aramark will provide disinfection materials for use by NHA employees.

As noted above, student desks *are* cleaned/disinfected by Aramark on a weekly basis. This will continue. School staff will need to clean student desks in between the weekly cleanings to support

Appendix A
NHA COVID-19 Facilities Preparedness and Response Plan

disinfection cleaning under COVID-19. *Please note that disinfection cleaning by students is not permitted or advised.*

Provided Materials: As part of baseline janitorial services, Aramark provides hand washing soap, paper towel and toilet paper. Aramark will continue to follow their supply reordering cadence and will closely monitor the supply inventory in our buildings to ensure that shortages do not occur. In addition, specific supplies will be provided in each classroom and main office area, at a minimum, to promote hygiene and support disinfection cleaning by school staff. These items include:

- (1) 16 oz. bottle of Purell hand sanitizer
- (1) roll of perforated paper towel
- (1) spray bottle of disinfectant cleaning solution (prepared by Aramark lead custodian). Refer to enclosed usage instructions and safety data sheet (Attachment A)

Please inform your Aramark lead custodian or Regional Manager if any of these supplies need to be refilled. All noted supplies will be resupplied as needed.

Employee or Parent Supplied Cleaning Materials: We recognize that many employees may elect to bring in their own disinfecting cleaning materials or accept disinfection cleaning materials donated by parents. This is supported; however, the following guidelines must be adhered to:

- Product must be listed on [EPA's List N: Disinfectants for Use Against SARS-CoV-2 \(COVID-19\)](#)
- Must be a non-aerosol, ready-to-use or wipe product that is commonly available at retail/grocery stores. Examples are [Clorox® Disinfecting Wipes](#) and [Lysol® Disinfecting Wipes](#).
- Must be used according to manufacturer's instructions.
- Must not contain bleach.
- Must have a copy of the product's Safety Data Sheet (SDS) on file in the main office – this information can commonly be found on the manufacturer's websites.

Reduce Clutter: We strongly recommend **reducing or eliminating unnecessary furnishings from offices and classrooms** and **keeping areas organized** to help facilitate more efficient and complete disinfection/cleaning. This is especially true in the event of a probable or confirmed COVID-19 case within the facility.

Examples of unnecessary furnishings include non-NHA furnished items, such as bean bag chairs, sofas and miscellaneous items that are not essential for instruction. *Please note that these items are not cleaned as part of baseline or additional janitorial operations.*

Facilities Improvements: Certain physical items have been installed in each building to help protect employees and provide guidance on COVID-19 safe practices. These items include:

- Plexiglass barriers or “sneeze guards” in the main office area (OA desk and Registrar desk)
- Instructional signage, such as proper handwashing technique and notice to visitors for facility access requirements.

Other items that may continue to be implemented include tape or decals on floors to promote social distancing and wayfinding. These are items that schools may elect to implement on their own. Tape on floors is something that commonly damages the carpeting in our facilities and is something that we usually do not recommend. However, we recognize the necessity in implementing this measure during this time.

II. COVID-19 Exposure Levels:

The below exposure levels dictate the scope and frequency of disinfection cleaning according to reported COVID-19 risks within the community and facility. This is in addition to baseline janitorial services:

LEVEL 1 Normal Operations

- No reported cases in the surrounding community
- No known or suspected cases within the facility
- Normal janitorial routines – additional janitorial services not required

LEVEL 2 Enhanced Cleaning Operations

- Reported cases in the surrounding community
- No known or suspected cases within the facility
- Disinfection of all high touch points at least once per day

LEVEL 3 Probable or Confirmed Case reported in the facility within the past **3 days**.

Upon notice, Aramark personnel will address the impacted areas of the building according to the following CDC guidelines:

- **If less than 24 hours have passed** since the person who is sick or diagnosed with COVID-19 has been in the space, clean and disinfect the space.
- **If more than 24 hours have passed** since the person who is sick or diagnosed with COVID-19 has been in the space, cleaning is enough.
- **If more than 3 days have passed** since the person who is sick or diagnosed with COVID-19 has been in the space, no additional cleaning (beyond regular cleaning practices) is needed.

III. LEVEL 3 Response Procedure:

Convey confirmed case information to Aramark Manager and/or Site Coordinator, notably:

- Areas occupied by the confirmed case for at least 15 minutes.
- Date and time that the confirmed case was last known to be in the building.

Before cleaning and disinfecting:

- Close off areas used by the person who is sick and do not use those areas until after cleaning and disinfecting.
- Wait as long as possible before cleaning and disinfecting.

While cleaning and disinfecting

- Open doors and windows and use fans or HVAC (heating, ventilation, and air conditioning) settings to increase air circulation in the area.
- Wear a mask and gloves while cleaning and disinfecting.
- Focus on the immediate areas occupied by the person who is sick or diagnosed with COVID-19 unless they have already been cleaned and disinfected.
- Vacuum the space if needed. Use a vacuum equipped with high-efficiency particulate air (HEPA) filter and bags, if available.

Appendix A
NHA COVID-19 Facilities Preparedness and Response Plan

- While vacuuming, temporarily turn off in-room, window-mounted, or on-wall recirculation heating, ventilation, and air conditioning systems to avoid contamination of HVAC units.
- Do NOT deactivate central HVAC systems. These systems provide better filtration capabilities and introduce outdoor air into the areas that they serve.

IV. Questions / Concerns / Suggestions:

Please direct any questions, concerns, or suggestions about the COVID-19 Facility Preparedness and Response Plan to the NHA Facilities Department at covidquestions@nhaschools.com.

ATTACHMENT A

Virex II 256 Usage Instructions and Safety Data Sheet



Virex® II 256

One-Step Disinfectant Cleaner and Deodorant

One-step quaternary disinfectant cleaner and deodorant to clean and disinfect hard surfaces.

Features & Benefits

- Kills microorganisms including HIV-1, VRE, MRSA, GRSA, MRSE, VISA, PRSP, Herpes Simplex Types 1&2, Influenza Type A2, Adenovirus, Rotavirus and many more
- Kills the organisms that cause odors and works as an odor counteractant to further eliminate odors not associated with bacteria
- Highly concentrated quaternary formula provides excellent one-step, cost-effective cleaning and disinfection

Applications

- Used in medical and general institutional facilities
- Use solution is neutral to floor finish so it will not dull, pit or soften floor finishes





Virex® II 256

One-Step Disinfectant Cleaner and Deodorant

Use instructions

Preparation

- Pre-clean heavily soiled areas.
- Dilute a 1:256 solution into a bucket, bottle, scrubber or other container.
- Apply solution to hard, nonporous environmental surfaces. To disinfect, all surfaces must remain wet for 10 minutes.
- Air Dry, wipe surfaces to dry and remove any residue, or rinse with potable water as necessary.

| Technical data | Virex® II 256 |
|----------------|--|
| DIN | 02241502 |
| Color/Form | Clear, blue liquid |
| pH | 10.2 (Concentrate) 8.8 (Use Dilution 1:256) |
| Scent | Minty |
| Shelf Life | 3 years (Concentrate) 1 year (Use Dilution) |

| Product | Pack size | Dilution | Product code | |
|---------------|---|----------|--------------|----|
| Virex® II 256 | 2 x 2.5 L / 84.5 oz. J-Fill® Bottles | 1:256 | 54334 | 🇨🇦 |
| Virex® II 256 | 6 x 946 mL / 32 fl. oz. AccuMix® Containers | 1:256 | 54332 | 🇨🇦 |
| Virex® II 256 | 2 x 1.5 L / 1.58 U.S. Qt. RTD® Units | 1:256 | 3062784 | 🇨🇦 |
| Virex® II 256 | 12 x 946 mL / 32 fl. oz. Empty Bottles | | D3680136 | 🇨🇦 |

Safe handling

Please make sure your employees read and understand the product label and Safety Data Sheet before using this product. The label contains directions for use; and both the label and SDS contain hazard warnings, precautionary statements and first aid procedures. SDS are available online at www.diversey.com or by calling 888.352.2249. Improper use or dilution may result in damage to surfaces and may result in health and physical hazards that match those of the concentrate. Please refer to the Diversey HazMat Library, only available through Internet Explorer, <http://naextranet.diversey.com/dot/>, for up-to-date shipping information.



Virex® II 256 (Canada) One-Step Disinfectant Cleaner & Deodorant

Revision: 2020-04-29

Version: 03.0

1. IDENTIFICATION

Product name: Virex® II 256 (Canada)
One-Step Disinfectant Cleaner & Deodorant
3062784, 54332, 54334

Product Code: MS0300585

SDS #:

Recommended use:

- Industrial/Institutional
- Disinfectant Cleaner
- This product is intended to be diluted prior to use

Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:

| | |
|--|---|
| US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com | Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171 |
|--|---|

Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

| | |
|--|-------------------------------|
| Acute oral toxicity | Category 4 |
| Skin corrosion/irritation | Category 1C |
| Serious eye damage/eye irritation | Category 1 |
| Specific target organ toxicity (repeated exposure) | Category 2 |
| Flammability | Flammable Liquids, Category 4 |

**Signal word:****Danger.**

Hazard Statements

COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. HARMFUL IF SWALLOWED. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.

Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Keep away from flames and hot surfaces. No smoking. Keep container tightly closed. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Get medical attention or advice if you feel unwell. Store in a

**Virex® II 256 (Canada)
One-Step Disinfectant Cleaner &
Deodorant**

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well-ventilated place. Keep cool. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas.

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

Classification for the diluted product @ 1:256

This product, when diluted as stated on the label, is not classified as hazardous according to OSHA 29CFR 1910.1200 (HazCom 2012-GHS) and Canadian Hazardous Products Regulations (HPR) (WHMIS 2015-GHS).

Hazard and Precautionary Statements

None required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

| Ingredient(s) | CAS # | Weight % |
|---|------------|--------------|
| Didecyl dimethyl ammonium chloride | 7173-51-5 | 5 - 10% |
| n-alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | 5 - 10% |
| Ethyl alcohol | 64-17-5 | 1 - 5% |
| Tetrasodium salt of EDTA | 64-02-8 | 1 - 5% |
| Lauryl dimethyl amine oxide | 1643-20-5 | 0.5 - 1.5% |
| Sodium sesquicarbonate | 533-96-0 | 0.5 - 1.5% |
| 1-decanamine, n-decyl-n-methyl- | 7396-58-9 | > 0.1 - < 1% |

*Exact percentages are being withheld as trade secret information

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

Aggravated Medical Conditions: Individuals with chronic respiratory disorders such as asthma, chronic bronchitis, emphysema, etc., may be more susceptible to irritating effects.

Diluted Product:

Eyes: Rinse with plenty of water.

Skin: No specific first aid measures are required

Inhalation: No specific first aid measures are required

Ingestion: IF SWALLOWED: Call a Poison Center (1-800-851-7145) or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Specific methods:

Use water spray to keep fire-exposed containers cool

Suitable extinguishing media:

Use dry chemical, CO2, water spray or "alcohol" foam.

Specific hazards:

Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:
Environmental precautions
and clean-up methods:**

Put on appropriate personal protective equipment (see Section 8.).
Clean-up methods - large spillage. Material is toxic to fish. Do not discharge into lakes, streams, ponds, or public water unless in accordance with an NPDES permit. Prevent product from entering drains.
Water runoff can cause environmental damage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: COMBUSTIBLE LIQUID. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating or lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Mix only with water. DO NOT MIX WITH BLEACH OR ANY OTHER PRODUCT OR CHEMICAL. Can react to release chlorine gas. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Aerosol Level (if applicable) : Not applicable.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

| Ingredient(s) | CAS # | ACGIH | OSHA |
|---------------|---------|-----------------|--|
| Ethyl alcohol | 64-17-5 | 1000 ppm (STEL) | 1000 ppm (TWA) 1900 mg/m ³ (TWA) |

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection:

Chemical-splash goggles.

Hand protection:

Chemical-resistant gloves.

Skin and body protection:

Protective footwear. Wear suitable protective clothing.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye protection:

No personal protective equipment required under normal use conditions.

Hand protection:

No personal protective equipment required under normal use conditions.

Skin and body protection:

No personal protective equipment required under normal use conditions.

Respiratory protection:

No personal protective equipment required under normal use conditions.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Evaporation Rate: No information available

Odor threshold: No information available.

Melting point/range: Not determined

Autoignition temperature: No information available

Solubility in other solvents: No information available

Density: 1 Kg/L

Bulk density: No information available

Flash point (°F): > 187 °F > 86 °C

Viscosity: 0

Color: Clear, Blue

Odor: Characteristic

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Relative Density (relative to water): 1.0

Vapor density: No information available

Vapor pressure: No information available.

Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 0 % by wt.

VOC: 3.3 % *

Flammability (Solid or Gas): Not applicable

Sustained combustion: Not determined

Explosion limits: - upper: Not determined - lower: Not determined

pH: ≈ 10.2

Corrosion to metals: Not corrosive to metals

Dilution pH:

≈ 8.8

Dilution Flash Point (°F): > 187 °F > 86 °C

VOC % by wt. at use dilution: 0.01 %

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

10. STABILITY AND REACTIVITY

Reactivity:

Not Applicable

Stability:

The product is stable

Hazardous decomposition products:

None reasonably foreseeable.

Materials to avoid:

Oxidizing agents. Anionic surfactant. Do not mix with chlorinated products (such as bleach).

Conditions to avoid:

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Unlikely to be irritant in normal use.

Eye contact: Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.

Ingestion: Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.

Symptoms may include vomiting, nausea, and/or feeling of general unwellness. Harmful if swallowed.

Inhalation: May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.

Sensitization: No known effects.

Target Organs (SE): None known

Target Organs (RE): No information available

Numerical measures of toxicity

ATE - Oral (mg/kg): 1700

ATE - Inhalatory, mists (mg/l): >20

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal.

Waste from residues / unused products (undiluted product):

This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product):

This product, when diluted as stated on this SDS, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Pesticide Storage:

Refer to product label.

Pesticide Disposal:

Refer to product label.

Container Disposal:

Refer to product label.

RCRA Hazard Class (undiluted product): Not Regulated.

RCRA Hazard Class (diluted product): Not Regulated.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

DOT (Ground) Bill of Lading Description: UN1903, DISINFECTANT, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compound), 8, III

IMDG (Ocean) Bill of Lading Description: UN1903, DISINFECTANTS, LIQUID, CORROSIVE, N.O.S., (quaternary ammonium compounds), 8, III, MARINE POLLUTANT

15. REGULATORY INFORMATION

International Inventories at CAS# Level

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

U.S. Regulations

CERCLA/ SARA

Canadian Regulations

This product is a Canadian DIN registered product and is subject to certain labeling requirements for disinfectants under national regulations. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and workplace labels of non-disinfectant products by the HPR (WHMIS 2015). This SDS was prepared in accordance with the HPR (WHMIS 2015) criteria, which may result with differences between the label and SDS language.

DIN No. : 02241502

| Ingredient(s) | CAS # | NPRI |
|---------------|---------|------|
| Ethyl alcohol | 64-17-5 | X |

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 2

Instability 0

Special Hazards -

Diluted Product:

Health 0

Flammability 0

Instability 0

Special Hazards -

Revision: 2020-04-29
Version: 03.0

Reason for revision: Not applicable
Prepared by: North American Regulatory Affairs
Additional advice: • Does not contain an added fragrance

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

ATTACHMENT B

Safety Data Sheet Examples



SAFETY DATA SHEET

Issuing Date 17-Jun-2016

Revision Date 17-Jun-2016

Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name Clorox Disinfecting Wipes₃ - Crisp Lemon

Other means of identification

Synonyms None

EPA Pesticide registration number 5813-79

Recommended use of the chemical and restrictions on use

Recommended Use General Purpose Cleaner - Non-aerosol

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Name The Clorox Company
Supplier Address 1221 Broadway
Oakland
CA
94612
US

Supplier Phone Number Phone: 1-510-271-7000

Emergency telephone number For Medical Emergencies call: 1-800-446-1014
For Transportation Emergencies, call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

GHS Label elements, including precautionary statements

Emergency Overview

. The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance White

Physical state Pre-Moistened Towelette
(no free liquids)

Odor Lemon

Precautionary Statements - Prevention

None

Precautionary Statements - Response

None

Precautionary Statements - Storage

None

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

21.5 % of the mixture consists of ingredient(s) of unknown toxicity

Other information

No information available

Interactions with Other Chemicals

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% | Trade Secret |
|---|------------|-----------|--------------|
| Ethylene glycol monoethyl ether | 112-25-4 | 1-5 | * |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | 85409-23-0 | 0.1 - 0.2 | * |
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride | 53516-76-0 | 0.1 - 0.2 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES**First aid measures****General Advice**

Show this safety data sheet to the doctor in attendance.

Eye contact

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 eye. Call a poison control center or doctor for treatment advice.

Skin contact

Rinse immediately with plenty of water and seek medical advice. If skin irritation persists, call a physician.

Inhalation

Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. Call a physician or Poison Control Center immediately.

Ingestion

Drink 1 or 2 glasses of water. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed**Most Important Symptoms and Effects**

Irritating.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

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

Unsuitable extinguishing media

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

Hazardous Combustion Products

Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal precautions Avoid contact with eyes.

Other Information Refer to protective measures listed in Sections 7 and 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE**Precautions for safe handling**

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-----------|----------|------------|
| Ethylene glycol monoethyl ether 112-25-4 | None | None | None |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 85409-23-0 | None | None | None |
| Alkyl C12-18 Dimethylbenzyl Ammonium Chloride 53516-76-0 | None | None | None |

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state Pre-Moistened Towelette (no free liquids)
Appearance White
Color No information available
Odor Lemon
Odor Threshold No information available

| <u>Property</u> | <u>Values</u> | <u>Remarks</u> | <u>Method</u> |
|---|--------------------|----------------|---------------|
| pH | 6 - 9 (liquid) | None known | |
| Melting / freezing point | No data available | None known | |
| Boiling point / boiling range | No data available | None known | |
| Flash Point | No data available | None known | |
| Evaporation Rate | No data available | None known | |
| Flammability (solid, gas) | No data available | None known | |
| Flammability Limit in Air | | | |
| Upper flammability limit | No data available | | |
| Lower flammability limit | No data available | | |
| Vapor pressure | No data available | None known | |
| Vapor density | No data available | None known | |
| Specific Gravity | ~1.0 (liquid) | None known | |
| Water Solubility | Completely soluble | None known | |
| Solubility in other solvents | No data available | None known | |
| Partition coefficient: n-octanol/water | No data available | None known | |
| Autoignition temperature | No data available | None known | |
| Decomposition temperature | No data available | None known | |

| | | |
|-----------------------------|-------------------|------------|
| Kinematic viscosity | No data available | None known |
| Dynamic viscosity | No data available | None known |
| Explosive properties | No data available | |
| Oxidizing properties | No data available | |

Other Information

| | |
|-----------------------------------|-------------------|
| Softening Point | No data available |
| VOC Content (%) | No data available |
| Particle Size | No data available |
| Particle Size Distribution | No data available |

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known.

Hazardous Decomposition Products

None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------|---|
| Inhalation | May cause irritation of respiratory tract. |
| Eye contact | May cause slight irritation. |
| Skin contact | Substance may cause slight skin irritation. |
| Ingestion | Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|-----------------|--------------------|----------------------|
| Ethylene glycol monoethyl ether 112-25-4 | 739 mg/kg (Rat) | 721 mg/kg (Rabbit) | >0.5 mg/L (Rat, 4 h) |

Information on toxicological effects

Symptoms May cause redness and tearing of the eyes.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.

| | |
|---------------------------------|--|
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic Toxicity | No known effect based on information supplied. |
| Target Organ Effects | Respiratory system. Eyes. Skin. Gastrointestinal tract (GI). |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity Product Information
The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)
 40.1 mg/kg

ATEmix (dermal)
 59.8 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity
 None known.

Persistence and Degradability
 No information available.

Bioaccumulation
 No information available

Other adverse effects
 No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|--|
| Disposal methods | Dispose of in accordance with federal, state and local regulations. |
| Contaminated Packaging | Do not reuse empty containers. Dispose of in accordance with federal, state and local regulations. |

14. TRANSPORT INFORMATION

| | |
|-------------------|---------------|
| <u>DOT</u> | NOT REGULATED |
| <u>TDG</u> | NOT REGULATED |
| <u>MEX</u> | NOT REGULATED |

| | |
|-----------------|---------------|
| <u>ICAO</u> | NOT REGULATED |
| <u>IATA</u> | NOT REGULATED |
| <u>IMDG/IMO</u> | NOT REGULATED |
| <u>RID</u> | NOT REGULATED |
| <u>ADR</u> | NOT REGULATED |
| <u>ADN</u> | NOT REGULATED |

15. REGULATORY INFORMATION

International Inventories

TSCA All components are listed on the TSCA Inventory
 DSL All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|--|----------|----------|-------------------------------|
| Ethylene glycol monoethyl ether - 112-25-4 | 112-25-4 | 1-5 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Rhode Island | Illinois |
|---|------------|---------------|--------------|--------------|----------|
| Ethylene glycol monoethyl ether 112-25-4 | | | X | X | X |
| Isopropyl alcohol 67-63-0 | X | X | X | X | |

EPA Pesticide Registration Number 5813-79

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide label

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling.

International Regulations

Canada

WHMIS Hazard Class

D2B Toxic materials



16. OTHER INFORMATION

| | | | | |
|-------------|-------------------------|-----------------------|--------------------------|---|
| NFPA | Health Hazards 1 | Flammability 0 | Instability 0 | Physical and Chemical Hazards - Personal Protection A |
| HMIS | Health Hazards 1 | Flammability 0 | Physical Hazard 0 | |

Prepared By Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Issuing Date 17-Jun-2016
Revision Date 17-Jun-2016
Revision Note No information available

Disclaimer

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

End of Safety Data Sheet

SAFETY DATA SHEET



HEALTH • HYGIENE • HOME

Lysol Brand II Kills 99.9% of Viruses & Bacteria** Disinfecting Wipes
Crisp Linen Scent, Citrus Meadows Scent, Lemon & Lime Blossom Scent, Lemon
Scent, Ocean Fresh Scent, Fresh Scent

1. Product and company identification

Product name : Lysol Brand II Kills 99.9% of Viruses & Bacteria** Disinfecting Wipes
Crisp Linen Scent, Citrus Meadows Scent, Lemon & Lime Blossom Scent, Lemon Scent,
Ocean Fresh Scent, Fresh Scent

Distributed by : Reckitt Benckiser LLC.
Morris Corporate Center IV
399 Interpace Parkway (P.O. Box 225)
Parsippany, New Jersey 07054-0225
+1 973 404 2600

Emergency telephone number (Medical) : 1-800-338-6167

Emergency telephone number (Transport) : 1-800-424-9300 (U.S. & Canada) CHEMTREC
Outside U.S. and Canada (North America), call Chemtrec:703-527-3887

Website: : <http://www.rbnainfo.com>

Product use : Surface Disinfectant.

This SDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is greater potential for large-scale or prolonged exposure, in accordance with the requirements of USDOL Occupational Safety and Health Administration.

This SDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulations, and shown in Section 15 of this SDS.

SDS # : D8169502 v6.0

Formulation #: : Lysol Brand II Kills 99.9% of Viruses & Bacteria** Disinfecting Wipes
- Crisp Linen Scent
- Citrus Meadows Scent
- Lemon & Lime Blossom Scent
- Lemon Scent
- Ocean Fresh Scent
- Fresh Scent

EPA ID No. : 777-114

UPC Code / Sizes : Wipe impregnated with liquid (Loading ratio 4:1 (premix:wipe) / 35, 80 and 110 count wipe in HDPE canister)

D8169502 v6.0

2. Hazards identification

Classification of the substance or mixture : Not classified

GHS label elements

Hazard pictograms : Not applicable.

Signal word : No signal word.

Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Supplemental label elements : None known.

Hazards not otherwise classified : None known.

3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name | % | CAS number |
|-----------------|---------|------------|
| Ethyl alcohol | 1 - 2.5 | 64-17-5 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : May cause eye irritation upon direct contact with eyes.

Inhalation : No known significant effects or critical hazards.

D8169502 v6.0

4. First aid measures

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : No specific data.

Skin contact : No specific data.

Ingestion : No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

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

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

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

D8169502 v6.0

6. Accidental release measures

Methods and materials for containment and cleaning up

- Small spill** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

Control

Occupational exposure limits

| Ingredient name | Exposure limits |
|-----------------|--|
| Ethyl alcohol | ACGIH TLV (United States, 4/2014). STEL: 1000 ppm 15 minutes. OSHA PEL 1989 (United States, 3/1989). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m ³ 8 hours. NIOSH REL (United States, 10/2013). TWA: 1000 ppm 10 hours. TWA: 1900 mg/m ³ 10 hours. OSHA PEL (United States, 2/2013). TWA: 1000 ppm 8 hours. TWA: 1900 mg/m ³ 8 hours. |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

D8169502 v6.0

8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

9. Physical and chemical properties

Appearance

- Physical state** : Solid. [Presaturated Wipes]
- Color** : Clear.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : 10.5 [liquid preparations]
- Melting point** : Not available.
- Boiling point** : Not available.
- Flash point** : Closed cup: >93.3°C (>199.9°F) liquid preparations
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not available.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 0.999 [liquid preparations]
- Solubility** : Easily soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.

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10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Information on toxicological effects

Acute toxicity

| Product/ingredient name | Result | Species | Dose | Exposure |
|---------------------------|-----------------------|---------|--------------------------|----------|
| Ethyl alcohol | LC50 Inhalation Vapor | Rat | 124700 mg/m ³ | 4 hours |
| | LD50 Oral | Rat | 7 g/kg | - |
| *Lysol Disinfecting Wipes | LC50 Inhalation Vapor | Rat | >2.04 mg/l | 24 hours |
| | LD50 Dermal | Rat | >5000 mg/kg | - |
| | LD50 Oral | Rat | >5000 mg/kg | - |

Conclusion/Summary : Not classified Harmful. *Information is based on toxicity test result of the concentrate of a similar product.

Irritation/Corrosion

| Product/ingredient name | Result | Species | Score | Exposure | Observation |
|---------------------------|--------------------------|---------|-------|-------------------------|-------------|
| Ethyl alcohol | Eyes - Moderate irritant | Rabbit | - | 0.066666667 minutes | - |
| | Eyes - Mild irritant | Rabbit | - | 100 milligrams | - |
| | Eyes - Moderate irritant | Rabbit | - | 24 hours 500 milligrams | - |
| | Eyes - Severe irritant | Rabbit | - | 100 microliters | - |
| | Skin - Mild irritant | Rabbit | - | 500 milligrams | - |
| | Skin - Moderate irritant | Rabbit | - | 400 milligrams | - |
| | | | | 24 hours 20 milligrams | - |
| *Lysol Disinfecting Wipes | Skin - Slight irritant | Rabbit | 1.2 | - | - |
| | Eyes - Cornea opacity | Rabbit | 0 | - | - |

Conclusion/Summary

Skin : Slightly irritating to the skin. *Information is based on toxicity test result of the concentrate of a similar product.

Eyes : Moderately irritating to eyes. *Information is based on toxicity test result of the concentrate of a similar product.

Sensitization

| Product/ingredient name | Route of exposure | Species | Result |
|---------------------------|-------------------|------------|-----------------|
| *Lysol Disinfecting Wipes | skin | Guinea pig | Not sensitizing |

Conclusion/Summary

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11. Toxicological information

Skin : Non-sensitizer to skin. *Information is based on toxicity test result of the concentrate of a similar product.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Ethyl alcohol | - | 1 | - |

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : May cause eye irritation upon direct contact with eyes.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : No specific data.
Skin contact : No specific data.
Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available.
Potential delayed effects : Not available.

Long term exposure

Potential immediate effects : Not available.

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11. Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

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

Numerical measures of toxicity

Acute toxicity estimates

Not available.

12. Ecological information

Toxicity

| Product/ingredient name | Result | Species | Exposure |
|-------------------------|--------------------------------------|--|----------|
| Ethyl alcohol | Acute EC50 17.921 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Acute EC50 2000 µg/l Fresh water | Daphnia - Daphnia magna | 48 hours |
| | Acute LC50 25500 µg/l Marine water | Crustaceans - Artemia franciscana - Larvae | 48 hours |
| | Acute LC50 42000 µg/l Fresh water | Fish - Oncorhynchus mykiss | 4 days |
| | Chronic NOEC 4.995 mg/l Marine water | Algae - Ulva pertusa | 96 hours |
| | Chronic NOEC 0.375 ul/L Fresh water | Fish - Gambusia holbrooki - Larvae | 12 weeks |

Persistence and degradability

Not available.

Bioaccumulative potential

| Product/ingredient name | LogP _{ow} | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| Ethyl alcohol | -0.35 | - | low |

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

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

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13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Not a DOT controlled material (United States). Not a TDG-controlled material. This preparation is not classified as dangerous according to international transport regulations (ADR/RID, IMDG or ICAO/IATA).

15. Regulatory information

U.S. Federal regulations : **TSCA 4(a) proposed test rules:** Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides
TSCA 8(a) PAIR: 2-methylpropan-2-ol; nonanal; decanal; 3-p-cumenyl-2-methylpropionaldehyde; octanal; dodecanal; 2-(4-tert-butylbenzyl)propionaldehyde; α -hexylcinnamaldehyde
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

| Name | % | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---------------|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Ethyl alcohol | 1 - 2.5 | Yes. | No. | No. | Yes. | No. |

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15. Regulatory information

State regulations

- Massachusetts** : The following components are listed: ETHYL ALCOHOL
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: ETHYL ALCOHOL; ALCOHOL
- Pennsylvania** : The following components are listed: DENATURED ALCOHOL

Canada

- WHMIS (Canada)** : Not controlled under WHMIS (Canada).

Canadian lists

- Canadian NPRI** : The following components are listed: Ethanol
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : All components are listed or exempted.

Label elements

- Signal word:** : CAUTION
- Hazard statements** : May cause eye irritation.
- Precautionary measures** : Avoid contact with eyes. Wash hands after use.
Keep out of reach of children.

16. Other information

Hazardous Material Information System (U.S.A.) :

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 1 |
| Physical hazards | 0 |
| Personal protection | B |

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.) :



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16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

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Version : 6

Prepared by : Reckitt Benckiser LLC.
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Revision comments : Update as per US GHS.

☑ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



RB is a member of the CSPA Product Care Product Stewardship Program.

ATTACHMENT C

Level 3 Response Procedure Cleaning Steps Overview

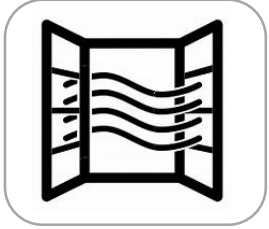
Cleaning Steps Overview

**Put on Proper PPE
Gloves and Gowns**



1

**Open Windows
and Doors**



2

**Wipe High Touch
Areas with Oxivir
Tb Wipes**



3

**Remove Trash &
Clean/Disinfect
Trashcan**



4

**Clean/Disinfect All
Surfaces with
Virex II 256**



5

**Vacuum/Clean/
Disinfect Floors
with Virex II 256**



6

**Wipe High Touch
Areas with Oxivir
Tb Wipes**



7

Inspect Space



8

**Wash or Sanitize
Hands and Put on
New Gloves**



9