



ISS

INDEPENDENT
STUDIO SERVICES
— SINCE 1977 —

PROP DISINFECTION PROTOCOLS

POST COVID19

WE'RE READY WHEN YOU ARE...

PROPS IN A COVID WORLD



Independent Studio Services is dedicated to maintaining a healthy and safe operating environment. As recommended by the CDC, various health agencies and State & Federal government guidelines, we have implemented new safe practices and protocols for disinfecting and sanitizing the props in our inventory.

ISS has a multi-tiered disinfection system in place at both our Los Angeles and Atlanta facilities. To provide the best overall sanitation possible, we are using a combination of a quarantine hold period, Electrostatic sprayers with EPA Registered Disinfectants containing bactericidal, fungicidal and virucidal sanitizing solutions and a 200-square-foot UV-C Decontamination Pod.

All prop rental returns received from outside sources are filtered through this process to ensure they have been sanitized properly. The material make-up of the prop will determine which method of sanitation is used based on the EPA criteria for disinfection. This also includes the return of all fabricated props and live/dummy weapons. Once they have been disinfected, they can enter the building and return to stock.

UV-C LIGHT & DISINFECTION

UV light has been an effective means of disinfection in hospitals, medical & healthcare centers, laboratories, food processing facilities, wastewater facilities and HVAC system management since the 1980s.

UV-C sanitation treatment has been verified as means to deactivate the COVID-19 virus as well as other disease-causing microbes. When using UV for disinfection, factors such as light intensity, duration of exposure, as well as the distance between the light source and the object being disinfected are paramount.

Due to the expansive nature of our inventory, we had to develop a system that could handle our needs. We established a relationship with Larson Electronics, a leading manufacturer in industrial lighting systems for more than 40 years. With the assistance of their techs, we created our Decontamination Pod that lives outside our Returns Department.



UV-C LIGHT & DISINFECTION



In this 10'x20' space, we have two portable Larson medical grade sanitation carts (*) with (24) UV-C light bulbs that emit a full 360-degree beam ideal for sanitizing our props. This pod is safe to use on every type of prop made from any type of material. From portable electronics and video cameras, to weapons and tactical gear, to jewelry and paper products – it gives us the ability to sanitize any item.

We utilize metro racks and Z-racks to lay-out the items with proper spatial distribution to the sanitation carts. The items are hit with the appropriate UV wavelength during exposure to the UV-C light beam for a maximum of 30 minutes. After each session, we test the various areas of the pod with a UV-C light meter to

confirm proper absorbability has occurred. If anything registers as being out of the targeted area, the carts/racks are re-adjusted, and we run another 30-minute session to ensure complete coverage.

In addition to our stationary DeconPod by the Returns Department, we have duplicated a smaller version specifically for use in our Weapons Department so our processes of sanitation are standardized across all rental departments. This provides another avenue to facilitate multiple orders safely and within a timely turnaround.



Our UV-C DeconPod has set a standard for an all-encompassing disinfection method in the prop and rental house equipment world, inspiring other companies to emulate our state-of-the-art system.

To ensure that our clients have the same capabilities on set, we are working with Larson Electronics to build portable UV-C rolling sanitation carts. These are self-contained dual UV-C ovens that can be rented or purchased and will assist our prop masters in duplicating the same safe practices daily on set.

ELECTROSTATIC SPRAYERS & EPA REGISTERED DISINFECTANT SOLUTIONS



An electrostatic sprayer (*) is a device that provides an electrical charge to liquid disinfectants, allowing the solution to envelop all surfaces for effective and even coverage. Versus the use of an aerosol spray or Hudson soaker, which has no directional efficiency - an electrostatic sprayer is highly effective at equal dispersion with an ability to reach all surface areas.

We are using medical grade solutions that are EPA registered and certified as effective in sanitizing materials and surfaces for the virus that causes COVID-19 as well as other viruses, bacteria, mold and fungus. Anabec's Anasphere Plus (*) solution can be used on non-porous hard surfaces. Clorox 360 with its proprietary Total360 Disinfectant Cleaner (*) can be used on non-porous hard surfaces. Nok-Out's Sniper (*) solution can be used on porous materials and fabrics. Each solution has a legend for the time the application of solution should be left on various materials and surfaces before being wiped down or left to air dry.



To ensure that our clients have the same capabilities on set, we have electrostatic sprayers and solutions available for rent or purchase to assist our prop masters in duplicating the same safe disinfecting practices daily on set.

ISS, LLC reserves the right to modify these protocols as necessary based upon the current CDC guidelines. These protocols are not a guarantee in relation to the prevention, spread, or transmission of COVID-19 but rather a recommendation for our employees, business associates and guests to follow.

PROP PACKAGING & TRANSPORT



Once prop masters and their teams have concluded their shopping and the selected props are ready for packing, our ISS Order Processing & Shipping teams follow strict guidelines of wearing the appropriate PPE as well as hand sanitizing before & after each individual order is packaged and prepped for pickup or shipping.

ISS relinquishes chain of command immediately upon the driver, prop master or clients' receipt of packages. Any further disinfecting of props after being handled off our premises will solely be the responsibility of the prop master and production.



Industrial UV Sanitation Cart - Kills 99% of Viruses - (12) UVC Lamps - 2400 sq. ft. Area - 50'
SOOW Cord
IND-UC-48-12L-UVC-50C



This unit is Made In USA - Manufactured in Texas

IND-UC-48-12L-UVC-50C UV Sanitation Light Cart

Lamp Technology: UV-C Fluorescent

Lamp Qty: (12)

Dimensions: 25.00"W x 20.00"D x 60.00"H

Weight: 58 lb

Voltage: 120-277 V AC

Total Watts: 480W

Single-lamp Watts: 40W

Total UV Output: 141.6W

Single-lamp UV Output: 11.8W

Effective UV Radiation (at 1 Meter) Per Lamp: 117.0 uW/cm² @ 1M

Total Effective UV Radiation (at 1 Meter): 1404.0 uW/cm² @ 1M

Expected Lifespan: 8,000+ Hours

UV Wavelength: UV-C, 200nm - 280nm (254 nm)

Lamp Type: T10

Lamp Base: G13 (Medium Bi-pin)

Replacement Lamp: FRL-48-1X-T8-36W-UV-C

Beam Angle: 180°

Light Configuration: Flood

Amps: -

Ambient Operating Temp Range: -22°F to 122°F

Materials: 22 Gauge Steel, Aluminum

Reflector Material: Chrome

Mounting: Powder Coated Portable Upright Aluminum Cart with Adjustable Brackets

Wiring: 50' 16/3 SOOW Cord w/ Cord Cap

Cord Cap: 5-15 Straight, 6-15 Straight, L5-15 Twist, L6-15 Twist, UK BS1363, Intl. Schuko or Pigtail

Shipping Weight: 118 lb

Shipping Dimensions: 48" x 60" x 30"

PLEASE NOTE: UV-C light can cause temporary or permanent loss of vision, and temporary acute redness or ulceration (mild to severe sunburn) to exposed skin. To prevent exposure, do not operate the device in any application that allows UV-C light to be visible during operation. NEVER LOOK DIRECTLY AT THE BULB OR DISINFECTING TARGET ZONE. DO NOT touch bulb with bare hands. The oils in your skin will damage the lamp. Fingerprints will result in reduced performance and significantly reduce the lifespan of the lamp unless they are removed with alcohol. Please read instruction manual for UV safety requirements before operating.

Ratings/Features

Short-wave Germicidal Light

Kills 99% of Viruses and Other Germs

Made in USA - Manufactured in Texas

Special Orders - Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

This unit is Made In USA - Manufactured in Texas

The Larson Electronics IND-UC-48-12L-UVC-50C is an Industrial UV Sanitation Cart which can kill 99% of viruses, bacteria, mold, and spores in large facilities. This unit offers UV-C output at a range of 200nm - 280nm (254nm) and comes equipped with twelve UVC fluorescent lamps. The lights are mounted to a powder coated aluminum cart for seamless mobility.

****Please note: This product produces UV light. Make sure to follow all safety guidelines and protocols found in the user manual. UVC light in the proper setting kills up to 99.9% of viruses, mold, spores, and bacteria.***

[Click here to learn more about UVC and the corona virus*](#)

The IND-UC-48-12L-UVC-50C is a powerful sanitation solution for industrial sites and commercial facilities. Equipped with twelve UVC fluorescent lamps, this system offers 141.6 watts of UV output, within the 200nm - 280nm UV-C range (254 nm). The lights have an expected lifespan of 8,000+ hours and emit a flood beam pattern. This UV system caters to 2400 square feet of space with 180 degrees of coverage. Operators may move the cart around after exposure time to disinfect several sections. With a recommended 20-25 minute exposure time for viruses, multiple carts can be purchased to cover larger areas quicker. The UV light can disinfect over 99% of bacteria, viruses, mold, and spores.

Distance from Cart	Irradiance/Second	Exposure Time Required*	Beam Width	Beam Height
6 inch	4829.76 uW/cm2	8.7 seconds	2 ft	4 ft
12 inch	2426.11 uW/cm2	17.31 seconds	2.25 ft	4 ft
18 inch	1347.84 uW/cm2	31.16 seconds	2.5 ft	4 ft
2 foot	872.35 uW/cm2	48.15 seconds	3 ft	4 ft
3 foot	456.77 uW/cm2	1.5 minutes	4.5 ft	4 ft
4 foot	230.26 uW/cm2	3 minutes	6 ft	4 ft
5 foot	147.36 uW/cm2	4.75 minutes	7.5 ft	4 ft
6 foot	102.34 uW/cm2	7 minutes	9 ft	4 ft
7 foot	75.19 uW/cm2	9.5 minutes	10.5 ft	4 ft
8 foot	57.56 uW/cm2	12.5 minutes	12.25 ft	4 ft
9 foot	45.48 uW/cm2	16 minutes	13.5 ft	4 ft
10 foot	36.84 uW/cm2	19 minutes	15.25 ft	4 ft
12 foot	25.58 uW/cm2	28 minutes	18.5 ft	4 ft
15 foot	16.37 uW/cm2	43 minutes	23 ft	4 ft
18 foot	11.37 uW/cm2	62 minutes	27.5 ft	4 ft
20 foot	9.21 uW/cm2	76 minutes	30 ft	4 ft

*Exposure time is based off of total irradiance. The above calculations are based on 12mJ total exposure. This level of exposure deactivates most organisms.

The fixture's housing is constructed of 22 gauge steel and painted for corrosion resistance. A chrome reflector helps improve illumination and light spread in the area.

Cart: The cart allows the entire fixture to be easily wheeled into position as needed, and can be laid flat for sliding the cart under vehicles or into hard to reach areas. This cart is highly versatile and gives the operator the ability to easily move the entire assembly around the work space simply by leaning the cart back and rolling it into position. Also included is a fold down handle and unidirectional caster wheels that allows operators to lay the unit flat and wheel it into hard to reach areas such as underneath vehicles in paint spray booths.

[Click Photos to Enlarge](#)



5-15 Straight Blade Plug
15 Amp / 125V Rated



L5-15 Twist Lock Plug
15 Amp / 125V Rated



L6-15 Twist Lock Plug
15 Amp / 250V Rated



UK BS1363 Straight Blade Plug
13 Amp / 250V Rated / Internal Fuse



Intl Schuko 2-Pin Plug
16 Amp / 250V Rated / Grounded



Flying Leads / Pigtail Wires

Wiring/Plug: This unit is equipped with 50 feet of 16/3 chemical and abrasion resistant SOOW cord that is fitted with an industrial grade cord cap for easy connection to common wall outlets. Plug options include standard 5-15 15 amp straight blade plug for 110V wall outlets with ground, standard 6-15 15 amp straight blade plug for 220-240V wall outlets with ground, NEMA L5-15 15 amp twist lock plug for 125V twist lock outlets, NEMA L6-15 15 amp twist lock plug for 240V twist lock outlets, British BS1363 13 amp fused 3-blade plug for United Kingdom outlets, or a two pin 16 amp rated Schuko plug with ground contact and socket for European outlets up to 250V. Alternatively, we can provide flying leads with no plug for hard wire applications or for operators who prefer to wire in user provided cord caps. Please choose pigtail option below for flying leads with no plug.

Note on Environment: Sunlight and visible light fixtures do not impact the effectiveness of the disinfecting on this UVC sanitation product. Metal halide, high pressure sodium, fluorescent, and LED light fixtures can be left on. The UV radiation emitted from this product is not disrupted by any type of lighting in the environment. Put simply, NO it DOES NOT need to be dark in the area you plan to disinfect. The UV radiation is harmful to the eyes and skin, and that is why you should not be in the area while it is in operation. Please see user manual for additional safety information.

Suggested Applications: Killing 99% of viruses, bacteria, mold, and spores as well as the sanitation and disinfection of retail spaces, lobbies, commercial locations, industrial parks, schools, public transportation hubs, airports, office buildings, medical centers and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)

Q. How long does the fixture need to operate to kill viruses?

A. 30 minute exposure time is required for killing viruses

Q. What if I want to disinfect a larger area than the square footage that is listed in the specifications of this product?

A. You can move the product and cover other areas. Each time the unit is moved, the exposure time starts again.

Q. What if obstacles are in the way of the UV light while it is disinfecting?

A. You will need to move objects around and disinfect again for another 30 minutes. If the cart does not have direct line of sight, it will not disinfect. This is a non-ozone UV generating product so it does not penetrate through solid surfaces and will not reflect and clean the underside of objects or behind objects. If you do not have direct line of sight from the light, you will need to move it around or move the obstacles to create proper exposure.

Q. Does this product come with UV lamps

A. Yes. This product will ship with UV lamps. The required UV lamps are included with your purchase.

Q. Is this unit safe to use in occupied areas?

A. No. This unit produces UV radiation. UV radiation is NOT safe for your skin or eyes. Please read manual for UV safety requirements.

Q. Do I need to wear protective gear?

A. Yes. UV radiation is NOT safe for your skin or eyes. Please read manual for UV safety requirements.

Q. Is this product skin safe or eye safe?

A. No. UV radiation is not safe for the eyes or skin. Please read manual for UV safety requirements.

Q. Does this product generate ozone?

A. No. UV lights can be made as ozone-producing or non-ozone producing. Ozone producing lamps leaves radiation in the atmosphere and require a 20-30 minute time after lamps are turned off before the radiation levels dissipate to a safe level before you can re-enter the room/area. The products that Larson Electronics manufactures DO NOT use ozone-producing lamps. This means that the radiation stops the second the light turns off. Once the light is turned off, it is safe to return to the area being disinfected by the light. Please read manual for UV safety requirements.

Q. Does this product kill the SARS-CoV-2 coronavirus?

A. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:

<https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF>

Q. Does this product kill COVID-19?

A. COVID-19 is the disease created from the SARS-CoV-2 coronavirus. Please see below link for effectiveness against viruses, including the 2019 SARS-CoV-2 coronavirus:

<https://www.larsonelectronics.com/images/product/LightingFacts/266985.PDF>









Options:

IND-UC-48-12L-UVC-50C-Cord Cap

Example: IND-UC-48-12L-UVC-50C-5.15

Cord Cap	
5-15 STRAIGHT	-5.15
6-15 STRAIGHT	-6.15
L5-15 TWIST	-L5.15
L6-15 TWIST	-L6.15
UK BS1363	-BS1363
INTL SCHUKO	-Schuko
PIGTAIL	-Pigtail

Portable Battery-powered Electrostatic Sprayer - 6.56' Spray Distance - 4.22G Tank Capacity - No-Contact Disinfection
IND-MD-DF-ESF-R1



IND-MD-DF-ESF-R1 Cordless Disinfection Sprayer

Unit Type: Portable Battery-powered Sprayer

Dimensions: 14.96" x 7.48" x 21.25"

Weight: 9.03 lb

Sprayer Voltage: 12 V DC

Working Pressure: 0.15-0.4 Mpa

Droplet Size: 5-40µm

Flow Rate: 3.17 Gallons Per Hour

Spraying Distance: 6.56'

Tank Capacity: 4.22 Gallons

Tank Coverage Area: 5 Acres per Full Tank (0.79 Gallons per Acre)

Mount: Portable Handle

Battery Type: 8aH Lithium-ion

Battery Recharge Time: 1 Hour

Field Replaceable Battery: NO

Runtime: 8 Hours per Full Charge

Area Coverage per Charge: 40 Acres (5 Acres per Hour)

Charger Voltage: 110 V, 50/60 Hz

Package Contents: Cordless Sprayer, Battery, Wall Charger, (3) Nozzles, Tank w/ Lid

Ratings/Features

No-contact Disinfection

Special Orders - Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-214-616-6180

Fax: 1-903-498-3364

E-mail: sales@larsonelectronics.com

The Larson Electronics IND-MD-DF-ESF-R1 Portable Battery-powered Electrostatic Sprayer is a no-contact disinfection solution for hard-to-reach surfaces in work sites, outdoor areas, gyms, offices, daycare centers, warehouses, airports, healthcare facilities, and more. This wireless device sprays a mist consisting of a sanitizing agent, which applies an even coating on surfaces and equipment. Equipped with a 4.22-gallon tank capacity, the sprayer comes with a power charger, 8 aH lithium-ion battery, three nozzles, and tank with lid.

*****PLEASE NOTE: Chemicals are not included with the unit.*****

The IND-MD-DF-ESF-R1 disinfects hard-to-reach surfaces, areas, and odd-shaped equipment without contact. This portable electrostatic unit is equipped with a 4.22-gallon tank capacity that holds the sanitizing agent. The device turns the liquid solution into a mist (median drop diameter of 5-40µm) as the mixture is released into the area. For best results, a 6.56' spraying distance between the

sprayer and the target surface should be observed during application. This device has a working pressure of 0.15-0.4 Mpa and a flow rate of 3.17 gallons per hour. In addition to sanitation, the portable sprayer can be used for pest control and plant fertilization (using various liquid material, soluble powder, or emulsion).

Battery: The IND-MD-DF-ESF-R1 is powered by an 8aH lithium-ion battery, which offers a runtime of 8 hours per full charge. A wall charger that operates on 110 V, 50/60 Hz is included with the unit. The battery is only replaceable for repair and is NOT field replaceable to extend runtime. From a completely depleted state, the battery will take 1 hour to fully recharge.

Mount: Equipped with a handle, this wireless disinfection device is designed for portable use to allow maximum reach of areas and surfaces.

Suggested Applications: Industrial sites, manufacturing facilities, warehouses, outdoor areas, factories, farms, airports, gyms, offices, daycare centers, hospitals, workshops, labs, and more.

At Larson Electronics, we do more than meet your lighting needs. We also provide replacement, retrofit, and upgrade parts as well as industrial grade power accessories. Our craftsmen can custom build any lighting system and/or accessories to fit the unique demands of your operation. A commitment to honesty, quality, and dependability has made Larson Electronics a leader in the lighting and electronics business since 1973. Contact us today at 800-369-6671 or message sales@larsonelectronics.com for more information about our custom options tailored to meet your specific industry needs.

Frequently Asked Questions (FAQ)









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SAFETY DATA SHEET
Anasphere Plus™Date Issued: 12/12/2016
SOS No: 2500**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** Anasphere Plus™**GENERAL USE:** Disinfectant, Virucide, Fungicide**PRODUCT DESCRIPTION:** Disinfectant**PRODUCT CODE:** 2500**DISTRIBUTOR**Anabec, Inc.
9393 Main St., PO Box 433
Clarence, NY 14031**E-Mail:** anabec@anabec.com
info@anabec.com**Phone:** 716-759-1674
800-369-8463**24 HR. EMERGENCY TELEPHONE NUMBERS****CHEMTREC (Within the U.S. and Canada):** (800) 424-9300
Poison Control Center (US): (800) 222-1222**EPA REG. NO.:** 61178-1-72786**2. HAZARDS IDENTIFICATION****Classification of the substance or mixture**

Skin Corr. 1C

Eye Dam. 1

Acute Tox. 4 (oral)

**GHS05** GHS07
Corrosion**SIGNAL WORD:** DANGER**HAZARD STATEMENTS**

Skin Corr. 1C H314: Causes severe skin burns and eye damage.

Eye Dam. 1 H318: Causes serious eye damage.

Acute Tox. 4 H302: Harmful if swallowed.

PRECAUTIONARY STATEMENTS

P260 Do not breathe mist/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center / doctor.

P363 Wash contaminated clothing before reuse.

P305+P351+P358 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or a doctor/physician.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulations.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18}	2.37	68391-01-5
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	2.37	68956-79-6

14. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advice if irritation persists.

NOTES TO PHYSICIAN: Probable mucosa l damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None

HAZARDOUS COMBUSTION PRODUCTS: Not Established

EXPLOSION HAZARDS: None

HAZARDOUS DECOMPOSITION PRODUCTS: Not Established]

s. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

LAND SPILL: Avoid discharge to soil.

AIR SPILL: NA= Not Applicable

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Store containers away from children. Close container after use.

HAND UNG: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in area inaccessible to children.

STORAGE TEMPERATURE: Store at ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles, full face-shield.

SKIN: Rubber or other chemical resistant gloves. Rubber boots of used on floors. Chemical resistant outerwear (Tyvek) W contact with spray or mist is anticipated.

RESPIRATORY: Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

PROTECTIVE CLOTHING: None Expected.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild, pleasant

COLOR: Clear

pH: 11.5 to 12.5

FLASH POINT AND METHOD: NA = Not Applicable

FLAMMABLE LIMITS: NA= Not Applicable

VAPOR PRESSURE: 20

VAPOR DENSITY: - 1

BOILING POINT: 212° F; 100° C

SOLUBILITY IN WATER: Complete

EVAPORATION RATE: - 1

DENSITY: 8.66

SPECIFIC GRAVITY: 1.039 grams/ml.

VISCOSITY: Water thin.

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Established

INCOMPATIBLE MATERIALS: Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	> 1890 mg/kg	>2000 mg/kg
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C 14)	> 500	>2000

DERMAL LD₅₀: >2000 mg/kg male and female rabbits.

ORAL LD₅₀: > 1890 mg/kg Male and Female rats.

EYE EFFECTS: Corrosive to eyes. Permanent damage may occur.

SKIN EFFECTS: Severe skin irritant. May cause burns to skin.

CARCINOGENICITY

IARC: None known.

OSHA: None known.

SENSITIZATION: Not Available

REPRODUCTIVE EFFECTS: None known.

TARGET ORGANS: None known.

TERATOGENIC EFFECTS: Not Available

MUTAGENICITY: Not Available

j 12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

ECOTOXICOLOGICAL INFORMATION: No known significant effects or critical hazards noted.

BIOACCUMULATION/ ACCUMULATION: Not Available

AQUATIC TOXICITY (ACUTE): Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations 40CFR 262, 263, 264, and 268. Additionally, the discarding, or disposal of this material may be further regulated by state, regional, or local regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated.

ROAD AND RAIL (ADR/RID)

PROPER SHIPPING NAME: Not regulated.

AIR (ICAO/IATA)

SHIPPING NAME: Not regulated.

VESSEL (IMO /IMDG)

SHIPPING NAME: Not regulated.

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311 /312 HAZARD CATEGORIES: Health - Acute

REACTIVITY: Yes

313 REPORTABLE INGREDIENTS: No products were found.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: No products were found.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
n-Alkyl dimethyl benzyl ammonium chloride (C12-C18)	68391-01-5
N-alkyl Dimethyl Ethyl Benzyl Ammonium Chloride (C12-C14)	689 56-79-6

TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

29CFR1910.119-PROCESS SAFETY MANAGEMENT OF HIGHLY HAZARDOUS CHEMICALS: No products were found.

CARCINOGEN: No products were found.

FIFRA (FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT): Regulated

16. OTHER INFORMATION

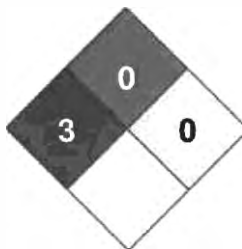
APPROVED BY: Nancy Ewing **TITLE:** President

PREPARED BY: Kim Hall

HMIS RATING I

HEALTH	EI
FLAMMABILITY	m
PHYSICAL HAZARD	W
PERSONAL PROTECTION	2

NFPA CODES



MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this Information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product

ANABEC'S ANASPHERE PLUS

Meets the EPA's List N criteria against SARS-CoV-2, the novel coronavirus that causes the disease COVID-19.

ANASPHERE PLUS is registered on the Environmental Protection Agency's (EPA) list of disinfectants for use in fighting the new coronavirus pandemic. ANASPHERE PLUS can be found on the EPA's List N, **EPA Reg. No. 61178-1**, meeting the agency's emerging pathogen efficacy requirements.

Our Anasphere Plus formula provides an all-in-one Disinfectant, Fungicide, Mildewstat and Virucide product solution for over 140 global pathogens. Anasphere Plus is engineered to be positively charged which allows our product to attach to the negatively charged outer cell walls of microbial pathogens, ultimately inactivating them.

For a product to be EPA Registered as a disinfectant, it must pass efficacy testing for each given virus or microorganism. This test includes exposing the subject strain to the disinfectant and the product must kill over 99.99% of the microorganism to pass. Often an organic soil load is added to create a more challenging test as organic material on the surface reduces the efficacy of a disinfectant. The industry standard is a 5% organic soil load which simulates slightly "dirty" conditions. Anasphere Plus was tested and EPA registered against the Human Coronavirus at a much higher, more challenging but real-world scenario, consisting of 98% soil load.

Our disinfectant has undergone extensive testing to verify the effectiveness against a wide range of pathogens including: Enveloped and Non-enveloped Human and Non-Human Viruses, Gram Negative/Gram Positive Clinical Bacterial Isolates, Environmental and Pathogenic Fungi and Antibiotic Resistant Gram Positive and Gram-Negative Bacteria.

Please contact us for more information at 1-800-369-8463 or visit our website at www.anabec.com.

From all of us at ANABEC, we wish you and your loved ones nothing but health and safety during these trying times.

Sincerely,

Nancy Ewing
President



SAFETY DATA SHEET

IDENTIFICATION	SNiPER® Hospital Disinfectant	June 2018
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SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name: SNiPER

MANUFACTURER / DISTRIBUTOR:

GLOBAL ENVIRONMENTAL RESTORATION, INC
P.O. BOX 667
CARENCRO, LA 70520

PHONE

NUMBERS:

PRODUCT INFORMATION	877-236-4710
PRODUCT EMERGENCY (US, CANADA, PUERTO RICO)	800-255-3924
PRODUCT EMERGENCY (INTERNATIONAL)	+01-813-248-0585

H	0	
F	0	
R	0	
PE	None	

SECTION 2 - HAZARD(s) IDENTIFICATION

EMERGENCY OVERVIEW

Colorless liquid with mild fresh odor. Avoid contact with eyes. Keep out of reach of children

HMIS Rating:

Health: 0 **Flammability:** 0 **Reactivity:** 0 **PPE:** None

Potential Health Effects

Eye Contact: Eye contact may cause mild eye irritation with discomfort

Skin Contact: Does NOT cause skin irritation and the product is NOT a skin sensitizer

Inhalation: Does NOT cause any respiratory irritation. If consumer product accidentally contacts strong acids in restrictive ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area

Ingestion: EPA Level IV Toxicity Level Registration (Lowest level)

This product is non-hazardous according to the OSHA HCS 2012 classification system

Carcinogenic Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, and ACGIH as carcinogens

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>WT %</u>
Chlorine Dioxide (stabilized).....	10049-04-4	0.200
n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18)		
Dimethyl benzyl ammonium chloride.....	Mixture	0.085%
n-Alkyl (68% C12, 32% C14)Dimethyl		
Ethylbenzyl Ammonium chloride.....	Mixture	0.085%
Water	7732-18-5	99.59%
<u>Inert Ingredients</u>	Mixture	<u>0.040%</u>
TOTAL		100.00%

At these concentrations none of the ingredients are known to pose any hazards to human health.

SECTION 4 - FIRST AID MEASURES

Inhalation

Does NOT cause any respiratory irritation. If Consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Skin Contact

Does NOT cause skin irritation. In case of contact, flush skin with plenty of water

Eye Contact

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes

Ingestion

Give large amounts of water and consult a physician

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:

Flash Point: Not Applicable (Non Flammable)

Burn Rate: Unknown

Flammable Limits:

Lower Flammable Limit: Not Established

Upper Flammable Limits: Not Established

Flammability Classification: Non-Flammable Liquid

Autoignition Temperature: Not Established

Hazardous Combustion Products: Thermal or other decomposition may yield chlorine dioxide or chlorine

Extinguishing Media: N/A (Non-Flammable liquid)

Additional Considerations: None

FIRE FIGHTING INSTRUCTIONS: Non-Flammable Liquid

NFPA RATING:

Health: 0

Flammability: 0

Reactivity: 0

Other Hazards: 0

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Clean-Up

No special clean-up measures are required for the consumer product. To avoid the possibility of discoloring the spill should be absorbed with paper towels, and the area rinsed with clean water

Accidental Release Measures

Spills are very slippery and should be cleaned up promptly

SECTION 7 - HANDLING AND STORAGE

Handling: Keep away from heat and strong acids. Do not ingest. Keep container closed. Use only with adequate ventilation.

Storage: Keep container tightly closed and sealed until ready for use. Keep container in a well-ventilated place. Do not store above 120°F or near fire or open flame. Store large quantities buildings to comply with OSHA 1910.106. Do not transfer contents of bottles or other unlabeled containers. Do not reuse empty containers. Keep out of reach of children.

Incompatible materials: Strong Acids

Special Packaging Materials: None

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls

Use in adequately ventilated areas

Personal Protective Equipment

Eye / Face Protection: Not required for consumer product

Skin Protection: Not required for consumer product

Respirators: None required for normal use. If consumer product accidentally contacts strong acids in restricted ventilation area, avoid breathing the vapors, and allow adequate time for the vapors to disperse before re-entering the restricted area.

Exposure Limits:

Chlorine Dioxide (Stabilized):

PEL (OSHA): Not Available

TLV (ACGIH): Not Available

n-Alkyl Dimethyl Benzyl Ammonium Chloride:

PEL (OSHA): Not Available

TLV (ACGIH): Not Available

n-Alkyl Dimethyl Ethylbenzyl Ammonium Chloride:

PEL (OSHA): Not Available

TLV (ACGIH): Not Available

Water:

PEL (OSHA): Not Available

TLV (ACGIH): Not Available

Inert Ingredients:

PEL (OSHA): Not Available

TLV (ACGIH): Not Available

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless Liquid
Odor:	Mild Fresh
Physical State:	Liquid
pH:	Approximately 8.5
Boiling Point (°F):	212
Melting Point (°F):	Not Applicable
Freezing Point (°F):	< 32
Solubility in Water:	100%
Vapor Pressure (mm Hg):	Not Available
Vapor Density:	Not Available
Volatile Organic Compounds (VOC):	None
Evaporation Rate:	Less than Ether
Specific Gravity:	1.003@68°F (20°C)
Density (lb/gal):	8.40 @ 68°F (20°C)
Viscosity (cP):	0.90 @ 77°F (25°C)

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability: The product is stable

Incompatibility with other Materials: Strong acids

Conditions to avoid: Contact with strong acids

Hazardous Decomposition Products: Thermal or other decomposition may yield chlorine dioxide or chlorine

Hazardous Polymerization: Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

TOXICITY TESTING – ACUTE Inhalation – Studies with Wistar Albino rats exposed to a respirable aerosol made from a solution of SNiPER 2 at a level of 2.08 mg/l for four hours resulted in no deaths and no abnormal necropsy observations. **Eye Contact** – Studies with New Zealand white rabbits showed this product is a very mild ocular irritant; mild conjunctival irritation was observed, but cleared within 72 hours. **Skin Contact** – Study of dermal toxicity in New Zealand white rabbits showed the product to be non-toxic: Dermal LD₅₀ > 5,000 mg/kg of body weight; Study of dermal irritation in New Zealand white rabbits showed the product is not a dermal irritant. In Dermal Sensitization studies, SNiPER was determined not to be a sensitizer. **Swallowing** - Acute oral toxicity in albino rats: Non-toxic LD₅₀ > 5,000 mg/kg of body weight.

EPA TOXICITY RATING - IV: This is the lowest category on the scale and is designed for substances that are the least hazardous.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental Hazards: No data available

Environmental Fate: No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Treatment, storage, transportation, and disposal must be accordance with applicable Federal, State/Provincial and Local regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT

Proper Shipping Name:	Not regulated for air, ground, or ocean shipments
Hazards Class:	N/A
Subsidiary Hazard Class:	N/A
I.D. No. (UN/NA):	N/A
Packing Group:	N/A
Special Information:	None
DOT Label(s):	None

IMO / IMDG

Proper Shipping Name:	Not regulated for air, ground, or ocean shipments
Hazards Class:	N/A
Subsidiary Hazard Class:	N/A
I.D. No. (UN/NA):	N/A
Packing Group:	N/A
Marine Pollutant:	No
Special Information:	None

IATA / ICAO

Proper Shipping Name:	Not regulated for air, ground, or ocean shipments
Hazards Class:	N/A
Subsidiary Hazard Class:	N/A
I.D. No. (UN/NA):	N/A

SECTION 15 - REGULATION INFORMATION

U.S. Federal Regulations:

TSCA: All components appear in TSCA Inventory

OSHA: Refer to Section 8 for exposure limits

CERCLA SARA HAZARD CATEGORY:

Section 311 and 312: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under the application definitions, to meet the following categories: None

Section 313: This product contains following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: None

State regulations:

State Right to know information is not provided

California prop. 65 (no significant risk level): None

International Regulations:**Canadian WHMIS:** Not Controlled**Canadian Environmental Protection Act (CEPA):** Additional information available upon request

EU regulations:

Risk Phrases	R36- Irritating to the eyes(Prolonged contact only)
Safety Phrases:	S2- Keep out of reach of children
	S25- Avoid contact with eyes

EINECS: Additional information available upon request. All components are listed on EINECS

SECTION 16 - OTHER INFORMATION

The information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Global Environmental Restoration, Inc. The Data on this sheet related only to the specific material designed herein. G.E.R. Inc. assumes no legal responsibility for the use or reliance on this data.

END OF SDS

List N: Products with Emerging Viral Pathogens AND Human Coronavirus claims for use against SARS-CoV-2
Date Accessed: 08/03/2020

EPA Registration Number	Active Ingredient(s)	Product Name	Company	Contact Time (in minutes)	Formulation Type	Surface Types	Use Sites	Why is this product on List N?	To kill SARS-CoV-2 (COVID-19), follow disinfection directions for the following pathogen(s)	Date Added to List N
71700-2	Chlorine dioxide; Quaternary ammonium	SNiPER	Global Environmental Restoration Inc	10	Ready-to-use	Hard Nonporous (HN)	Healthcare; Institutional; Residential	Kills a harder-to-kill pathogen than SARS-CoV-2 (COVID-19); Emerging viral pathogen claim	Canine parvovirus	04/09/2020



SAFETY DATA SHEET

Issuing Date 14-Oct-2016

Revision Date 11-Sep-2019

Revision Number 6

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

Product identifier

Product Name Clorox Commercial Solutions® Clorox® Total 360® Disinfectant Cleaner1

Other means of identification

Synonyms None

EPA Pesticide registration number 67619-38

Recommended use of the chemical and restrictions on use

Recommended Use Disinfectant

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier The Clorox Company

Supplier Address 1221 Broadway
Oakland
CA
94612
US

Telephone 1-510-271-7000

Emergency telephone number

Emergency Telephone Number For Medical Emergencies call: 1-800-446-1014. Transportation Emergencies, call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Serious eye damage/eye irritation	Category 2B
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GHS Label elements, including precautionary statements

Emergency Overview

Signal word	Warning
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Hazard Statements Causes eye irritation

Physical state Liquid

Odor No information available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - 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

Precautionary Statements - Storage

Store in accordance with local regulations

Precautionary Statements - Disposal

None

Hazards not otherwise classified (HNOC)

Not applicable

Unknown Toxicity

No information available

Other information

No information available

Interactions with Other Chemicals

May react with bleach-containing products or other household cleaners to produce hazardous gases.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Tetrasodium EDTA	64-02-8	1-5	*
Quaternary ammonium compounds, C12-18-alkyl[(ethylphenyl)methyl]dimethyl,	68391-01-5	0.1-1	*
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides	85409-23-0	0.1-1	*

*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: 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.

Skin contact

Wash skin with soap and water.

Inhalation

Remove to fresh air.

Ingestion

Rinse mouth. Drink plenty of water.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects Causes eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

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

Unsuitable extinguishing media

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

Specific hazards arising from the chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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 Ensure adequate ventilation.

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.

Conditions for safe storage, including any incompatibilities

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

Incompatible products None known based on information supplied.

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

Appropriate engineering controls

Engineering Measures

Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Recommended use of eyewear protection when using through the Clorox Total 360 Electrostatic Sprayer.

Skin and body protection

Protective gloves recommended.

Respiratory protection

For prolonged use, use NIOSH approved respiratory protection when using through the Clorox Total 360 Electrostatic Sprayer: N95 respirator. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical state

Liquid

Odor

No information available

Color

No information available

Odor Threshold

No information available

Property

Values

Remarks Method

pH

11.9

None known

Melting / freezing point

No data available

None known

Boiling point / boiling range

No data available

None known

Flash Point

>100.9 C

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

No data available

None known

Water Solubility

No data available

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.

Hazardous Polymerization

No information available.

Conditions to avoid

None known based on information supplied.

Incompatible materials

None known based on information supplied

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Vapors may be irritating to eyes, nose, throat, and lungs.
Eye contact	Irritating to eyes.
Skin contact	May cause irritation.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides 85409-23-0	-	-	-

Information on toxicological effects

Symptoms No information available.

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.
Target Organ Effects	Eyes.
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

Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Tetrasodium EDTA 64-02-8		Bluegill (Lepomis macrochirus) 472-500 mg/l hours		

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 contents/containers in accordance with local regulations.

Contaminated Packaging Do not reuse empty containers.

14. TRANSPORT INFORMATION

<u>DOT</u>	NOT REGULATED
<u>TDG</u>	NOT REGULATED
<u>ICAO</u>	NOT REGULATED
<u>IATA</u>	NOT REGULATED
<u>IMDG</u>	NOT REGULATED

15. REGULATORY INFORMATION

International Inventories

TSCA Complies
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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
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 does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

No information available.

EPA Pesticide Registration No. 67619-38

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.

International Regulations

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

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

Prepared By	Product Stewardship 23 British American Blvd. Latham, NY 12110 1-800-572-6501
Issuing Date	14-Oct-2016
Revision Date	11-Sep-2019
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

