

SAFETY DATA SHEET

Crypton Disinfectant & Deodorizer

Date: 8-8-15

1. PRODUCT AND COMPANY IDENTIFICATION**Product Identifier****Product Name** Disinfectant & Deodorizer**Other Means of Identification****Product Class** Quaternary Ammonium Compound
EPA Registration Number 10324-85-75190
Product Code**Recommended Use of the Chemical and Restrictions on Use****Recommended Use** Disinfectant, deodorizer, cleaner for Crypton fabric and for all surfaces**Details of the Supplier of the Safety Data Sheet****Manufactured For** Crypton, Inc.
38500 Woodward Ave.
Bloomfield Hills, MI 48304**Emergency Telephone Number****Company Phone Number** 1.248.855.6000
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)**2. HAZARDS IDENTIFICATION****Classification****Health Hazards**

Acute Toxicity, Oral	Category 4
Skin corrosion/ Irritation	Category 1 Sub-Category B
Serious eye damage/eye irritation	Category 1

Signal Word**Warning****Hazard Statements**Causes burns. Causes eye and skin irritation.
Harmful if swallowed.**OSHA/HCS status:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). 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. Read complete product label.

**NOTE:** Pictograms not permitted on label. EPA Reg. Product
See section 15 Regulatory Information**Appearance** Clear**Physical State** Liquid**Odor** Fragrance Free

Disinfectant & Deodorizer

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician

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

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a doctor or poison control center. Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage

Store locked up. Keep container tightly closed when not in use. Store in a cool, well ventilated place. KEEP OUT OF REACH OF CHILDREN.

Precautionary Statements - Disposal

Dispose of contents/container in accordance with all regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Quaternary Ammonium Compounds (C12-C-16) Benzyl & Alkyldimethyl Chlorides	68424-85-1	0 - 5
Dimethylaurylamine oxide	1643-20-5	0 - 5
2-aminoethanol	141-43-5	0 - 5
Isopropyl Alcohol	67-63-0	0 - 5
Tetrasodium ethylenediaminetetraacetate	64-02-8	0 - 5

4. FIRST AID MEASURES

First Aid Measures

- Inhalation** Move to fresh air. If breathing is difficult give oxygen. If symptoms persist, call a physician.
- Eye Contact** Immediately flush with plenty of water. Remove contact lenses and continue flushing with water for 15 minutes. Call a physician immediately.
- Ingestion** Do NOT induce vomiting. Rinse mouth. Call a poison control center or doctor immediately for treatment advice. Never give anything by mouth to an unconscious person.
- Skin Contact** Take off contaminated clothing. Rinse skin with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Indication of any Immediate Medical Attention and Special Treatment Needed

Ingesting large amounts of this product may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water fog, foam, dry chemical powder. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

None known

Specific Hazards Arising from the Chemical

Irritating and toxic gasses or fumes may be released during a fire. Use water spray to keep fire-exposed containers cool.

Protective Equipment and Precautions for Firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Immediately evacuate personnel to safe areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.

Methods and Material for Containment and Cleaning Up

Methods for Containment Keep unnecessary and unprotected personnel away. Shut off all ignition sources. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods for Cleaning Up Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into container for later disposal. Do not flush into surface water or sanitary sewer system. Dispose of the waste material according to local, state and government requirements. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not handle, store or open near and open flame or other source of heat or ignition. Protect material from direct sunlight. Do not breathe vapor. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Do not taste or swallow. In case of insufficient ventilation, wear suitable respiratory equipment. Use only with adequate ventilation or outdoors. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Keep containers tightly closed in a dry, cool and well ventilated place with a temperature not lower than 50°F or higher than 120°F. Keep away from heat, sparks and open flame. Store out of direct sunlight, and away from incompatible materials.

Incompatible Materials Incompatible with strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl Alcohol 67-63-0	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm	-

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency showers should be located close by.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Safety goggles.

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- Skin and Body Protection** Impervious gloves
- Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations.
- General Hygiene Considerations** When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Lemon
Appearance	Clear Liquid	Odor Threshold	N/A
Color	Clear		
Property	Values	Remarks • Method	
pH	10-11		
Flash Point	None when heated to 102°C / 215°F	Cleveland Open Cup	
Evaporation Rate	Not determined		
Specific Gravity	1.0		
Explosion Hazards	None Expected		
Water Solubility	Complete		

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal use, storage and transport conditions.

Possibility of Hazardous Reactions
None under normal processing and storage.

Conditions to Avoid
Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.

Incompatible Materials
Strong oxidizing agents, reducing agents.

Hazardous Decomposition Products
Upon decomposition, this product may yield oxides of carbon, hydrocarbons, fumes and smoke.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

- Inhalation** Not likely, due to the form of the product.
- Eye Contact** Contact with eyes may cause serious eye damage.
- Skin Contact** Contact may cause severe skin irritation.
- Ingestion** Harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Isopropyl Alcohol 67-63-0	5050 mg/kg (Rat)	12800 mg/kg (Rabbit)	-

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2-aminoethanol 141-43-5	1515 mg/kg (Rat)	2504 mg.kg (Rabbit)	>1.3 mg/l 6h
Quaternary Ammonium Compounds 68424-85-1	430 mg/kg	3560 mg/kg	
Dimethylaurylamine oxide 1643-20-5	3625 mg/kg (Rat)		

Information on Physical, Chemical and Toxicological Effects

Symptoms May cause irritation to the eyes including redness, tearing, and blurred vision.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.

Numerical Measures of Toxicity

Unknown Acute Toxicity None known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacean
Quaternary Ammonium Compounds 68424-85-1		LC50: Bluegill 0.515 mg/l		NOEL: Daphnia 0.0042 mg/l
Isopropyl Alcohol 67-63-0		LC50: Fish 9640 mg/l 96 h		EC50: Crustaceans 1400 mg/l 48 h
2-aminoethanol 141-43-5	EC50 Selenastrum capricornutum 2.5 mg/l 72 h	LC50: Cyprinus carpio 349 mg/l 96 h		EC50 Daphnia magna 65 mg/l 48 h

Persistence and Degradability

Expected to be biodegradable

Bioaccumulation

The potential to accumulate or bio-magnify in the environment is low.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal of this product, solutions and any by-products must comply with the requirements of the EPA and regional local authority requirements.

Containers Disposal should be in accordance with the requirements of the EPA and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

US – Ground Transportation:

Disinfectant & Deodorizer

DOT Not Regulated

IATA Not Regulated

IMDG Not Regulated

15. REGULATORY INFORMATION

International Inventories A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country (s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country (s).

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Non-Domestic Substances List	No
EINECS	European Inventory of Existing Chemical Substances	Yes
ELINCS	European List of Notified Chemical Substances	No
ENCS	Japan Existing and New Chemical Substances	Yes
IECSC	China Inventory of Existing Chemical Substances	Yes
KECL	Korean Existing and Evaluated Chemical Substances Yes	Yes
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
New Zealand	New Zealand Inventory	Yes

US Federal Regulations

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EPA Registration Number 10324-85-75190

SARA 313 Not regulated

US State Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2- aminoethanol 141-43-5	X	X	X
Isopropyl Alcohol 67-63-0	X		X

California Proposition 65 No ingredients listed

16. OTHER INFORMATION

NFPA	Health Hazards	Flammability	Instability		
	1	0	0		
HMIS	Health Hazards	Flammability	Physical Hazards	Personal Protection	
	1	0	0	B	

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