

Crypton - Disinfectant & Deodorizer

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	
Recommened use of the chemical & Restrictions on use	Disinfectant, deodorizer, cleaner for Crypton fabric and for all surfaces.
Details of the supplier of the safety data sheet Manufactured exclusively for:	Crypton, Inc. 38500 Woodward Ave. Bloomfield Hills, MI 48304
Emergency telephone number Company phone number Emergency telephone	248.855.6000 INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)

2. Hazards identification

Health hazards

Acute toxicity, oral	Category 4
Alcohol ethoxylate	0-10
Skin corrosion/Irritation	Category 2
Sodium Xylene Sulfonate	0-10
Serious eye damage/eye irritation	Category 2, Sub-Category A



Signal word: WARNING

Hazard Statements: May cause eye and skin irritation. Harmful if swallowed.

OSHA/HCS status: This material is not 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.

Appearance: Clear

Physical State: Liquid

Odor: Fragrance free

NOTE: Pictograms not permitted on label. EPA Reg. Product. See section 15 regulatory information.

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 #	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

General advice	If concerned: Get medical advice/attention.
Inhalation	Remove 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.

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.

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.

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.

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.

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

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.

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

Appearance: Clear liquid

Color: Clear

Odor: Lemon

Odor Threshold: N/A

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

Product information

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)	-
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	-
Dimethyl laurylamine 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.

Unknown acute toxicity

None known.

12. Ecological information

Component information

Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustaceans
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

Waste treatment methods

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.

DOT - Not regulated.

IATA - Not regulated.

IMDG - Not regulated.

15. Regulatory information

International Inventories	Components
TSCA	Listed
DSL	Listed
NDSL	Not Listed
EINECS	Listed
ELINCS	Not listed
ENCS	Listed
IECSC	Listed
KECL	Listed
PICCS	Listed
NEW ZEALAND	Listed

Legend

TSCA
United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL
Canadian Domestic Substances List/Non-Domestic Substances

EINECS/ELINCS
European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS
Japan Existing and New Chemical Substances

IECSC
China Inventory of Existing Chemical Substances

KECL
Korean Existing and Evaluated Chemical Substances

PICCS
Philippines Inventory of Chemicals and Chemical Substances

NEW ZEALAND
New Zealand Inventory

U.S. federal regulations

This product is a pesticide 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.

EPA Registration Number
10324-85-75190

SARA 313 - Not regulated.

U.S. state regulations

Chemical Name	NJ	MA	PA
2- aminoethanol 141-43-5	X	X	X
Isopropyl Alcohol 67-63-0	X		X

California proposition 65 - No ingredients listed.

16. Other information

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