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

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary Ammonium Compounds (C12-C-16)</td>
<td>68424-85-1</td>
<td>0 - 5</td>
</tr>
<tr>
<td>Benzyl &amp; Alkyldimethyl Chlorides</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimethyllaurylamine oxide</td>
<td>1643-20-5</td>
<td>0 - 5</td>
</tr>
<tr>
<td>2-aminoethanol</td>
<td>141-43-5</td>
<td>0 - 5</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>0 - 5</td>
</tr>
<tr>
<td>Tetrasodium ethylenediaminetetraacetate</td>
<td>64-02-8</td>
<td>0 - 5</td>
</tr>
</tbody>
</table>

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/PERSOAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>TWA: 200 ppm</td>
<td>TWA: 400 ppm</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>STEL: 400 ppm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.
Disinfectant & Deodorizer

**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

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

### 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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>5050 mg/kg (Rat)</td>
<td>12800 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>67-63-0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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**

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

**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.
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).

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Description</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>United States Toxic Substances Control Act Section 8(b) Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>DSL</td>
<td>Canadian Domestic Substances List</td>
<td>Yes</td>
</tr>
<tr>
<td>NDSL</td>
<td>Non-Domestic Substances List</td>
<td>No</td>
</tr>
<tr>
<td>EINECS</td>
<td>European Inventory of Existing Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
<td>No</td>
</tr>
<tr>
<td>ENCS</td>
<td>Japan Existing and New Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>IECS</td>
<td>China Inventory of Existing Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>KECL</td>
<td>Korean Existing and Evaluated Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>PICCS</td>
<td>Philippines Inventory of Chemicals and Chemical Substances</td>
<td>Yes</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

US 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

US State Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2- aminoethanol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>141-43-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>67-63-0</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

California Proposition 65 No ingredients listed

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
<td>B</td>
</tr>
</tbody>
</table>

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

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