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

Product Identifier

Material Name: Roccal D Plus
Trade Name: Roccal-D Plus
Chemical Family: Mixture
Registration Number: EPA No. 61282-55-1007

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Intended Use: Veterinary product used as disinfectant
Restrictions on Use: Not for human use

2. HAZARDS IDENTIFICATION

Appearance: Green liquid

Classification of the Substance or Mixture

GHS - Classification
- Acute Oral Toxicity: Category 5
- Acute Toxicity - Vapors: Category 4
- Skin Corrosion/Irritation: Category 1
- Serious Eye Damage/Eye Irritation: Category 1
- Specific target organ systemic toxicity (repeated exposure): Category 1
- Acute aquatic toxicity: Category 1
- Chronic aquatic toxicity: Category 1
- Flammable liquids: Category 4

EU Classification:
- EU Indication of danger: Corrosive
- Harmful
- Dangerous for the Environment

EU Symbol: C Xn N

EU Risk Phrases:
- R34 - Causes burns.
- R41 - Risk of serious damage to eyes.
- R20 - Harmful by inhalation.
- R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2. HAZARDS IDENTIFICATION

Label Elements

Signal Word: Danger
Hazard Statements:
- H227 - Combustible liquid
- H303 - May be harmful if swallowed
- H332 - Harmful if inhaled
- H314 - Causes severe skin burns and eye damage
- H372 - Causes damage to organs through prolonged or repeated exposure (endocrine system, blood, thymus)
- H410 - Very toxic to aquatic life with long lasting effects

Precautionary Statements:
- P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
- P240 - Ground/Bond container and receiving equipment
- P280 - Wear protective gloves/protective clothing/eye protection/face protection
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray
- P264 - Wash hands thoroughly after handling
- P270 - Do not eat, drink or smoke when using this product
- P271 - Use only outdoors or in a well-ventilated area
- P273 - Avoid release to the environment
- P312 - Call a POISON CENTRE/doctor/physician if you feel unwell
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P301 + P330 + P315 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- P363 - Wash contaminated clothing before reuse
- P310 - Immediately call a POISON CENTRE or doctor/physician
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P314 - Get medical attention/advice if you feel unwell
- P370 + P378 - In case of fire: Use water spray, dry chemical, foam, or CO2 for extinction
- P391 - Collect spillage
- P403 - Store in a well-ventilated place
- P405 - Store locked up
- P501 - Dispose of contents/container in accordance with all local and national regulations

Other Hazards

Short Term: May be harmful if absorbed through the skin. (based on components).
Long Term: Repeat-dose studies in animals have shown a potential to cause adverse effects on endocrine system (based on components).

Australian Hazard Classification (NOHSC):

Note:
This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.
### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Ingredient</th>
<th>CAS Number</th>
<th>EU EINECS/ELINCS List</th>
<th>EU Classification</th>
<th>GHS Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td>57-55-6</td>
<td>200-338-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;12</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzylcoco alkyl(dimethyl, chlorides</td>
<td>61789-71-7</td>
<td>263-080-8</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>9.2</td>
</tr>
<tr>
<td>Didecyl(dimethylammonium chloride</td>
<td>7173-51-5</td>
<td>230-525-2</td>
<td>Xn; R22 C; R34</td>
<td>Acute Tox. 4 (H302) Skin Corr. 1B (H314)</td>
<td>9.2</td>
</tr>
<tr>
<td>Alkyl Dimethyl Benzyl Ammonium Chloride</td>
<td>68424-85-1</td>
<td>270-325-2</td>
<td>Xn; R22 C; R34 N; R50</td>
<td>Acute Tox. 4 (H302) Skin corr 1B (H314) Acute Aq. 1 (H400) Chronic Aq. 1 (H410)</td>
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<tr>
<td>Tetrasodium EDTA</td>
<td>64-02-8</td>
<td>200-573-9</td>
<td>Xn; R22 Xi; R41</td>
<td>Acute Tox. 4 (H302) Eye Dam. 1 (H318)</td>
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<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>201-069-1</td>
<td>Xi; R36</td>
<td>Eye Irrit. 2A (H319)</td>
<td>&lt;4</td>
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<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>215-185-5</td>
<td>C; R35</td>
<td>Skin Corr. 1A (H314)</td>
<td>&lt;2</td>
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<tr>
<td>Tributyltin Oxide</td>
<td>56-35-9</td>
<td>200-268-0</td>
<td>Not Listed</td>
<td>Acute Tox. 3 (H301) STOT RE 1 (H372) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)</td>
<td>1</td>
</tr>
</tbody>
</table>

**Additional Information:**

* Proprietary

Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

### 4. FIRST AID MEASURES

**Description of First Aid Measures**

**Eye Contact:**

Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
SAFETY DATA SHEET

Skin Contact: Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.

Ingestion: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Get medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and Effects of Exposure: For information on potential signs and symptoms of exposure, See Section 2 - Hazards Identification and/or Section 11 - Toxicological Information.

Medical Conditions Aggravated by Exposure: None known

Indication of the Immediate Medical Attention and Special Treatment Needed

Notes to Physician: None

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish fires with CO2, extinguishing powder, foam, or water.

Special Hazards Arising from the Substance or Mixture

Hazardous Combustion Products: Formation of toxic gases is possible during heating or fire.

Fire / Explosion Hazards: Combustible liquid. May generate flammable vapors. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Advice for Fire-Fighters

In use, may form flammable/explosive vapour-air mixture. During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus. Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Environmental Precautions

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up

Measures for Cleaning / Collecting: Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect wash with a noncombustible absorbent material and transfer to labeled container for treatment and disposal.

Additional Consideration for Large Spills: Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Use water spray to disperse vapors and dilute spill to a nonflammable mixture. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal. Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel.
7. HANDLING AND STORAGE

Precautions for Safe Handling

Combustible liquid. Keep away from heat, sparks, flame and all other sources of ignition. Ground and bond all bulk transfer equipment. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. When handling, use appropriate personal protective equipment (see Section 8). Wash thoroughly after handling. Prevent environmental releases. Review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure or environmental releases. Potential points of process emissions of this material to the atmosphere should be controlled with dust collectors, HEPA filtration systems or other equivalent controls.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep away from heat, sparks, flame, and other sources of ignition. Protect from direct heat and sunlight.

Incompatible Materials: Soaps, anionic materials, oxidizers, and chlorine

Specific end use(s): No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Refer to available public information for specific member state Occupational Exposure Limits.

Propylene glycol

<table>
<thead>
<tr>
<th>Country</th>
<th>Control Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene glycol</td>
<td></td>
</tr>
<tr>
<td>Australia TWA</td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td>474 mg/m³</td>
</tr>
<tr>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Ireland OEL - TWAs</td>
<td>150 ppm</td>
</tr>
<tr>
<td></td>
<td>470 mg/m³</td>
</tr>
<tr>
<td></td>
<td>10 mg/m³</td>
</tr>
<tr>
<td>Latvia OEL - TWA</td>
<td>7 mg/m³</td>
</tr>
<tr>
<td>Lithuania OEL - TWA</td>
<td>7 mg/m³</td>
</tr>
</tbody>
</table>

Didecyldimethylammonium chloride

ACGIH Threshold Limit Value (TWA) 0.1 mg/m³

Sodium hydroxide

<table>
<thead>
<tr>
<th>Country</th>
<th>Control Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH Ceiling Threshold Limit:</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Australia PEAK</td>
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<tr>
<td>Austria OEL - MAKs</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Bulgaria OEL - TWA</td>
<td>2.0 mg/m³</td>
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<tr>
<td>Czech Republic OEL - TWA</td>
<td>1 mg/m³</td>
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<tr>
<td>Estonia OEL - TWA</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>France OEL - TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Greece OEL - TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Hungary OEL - TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Japan - OELs - Ceilings</td>
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</tr>
<tr>
<td>Latvia OEL - TWA</td>
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</tr>
<tr>
<td>OSHA - Final PELS - TWAs:</td>
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</tr>
<tr>
<td>Poland OEL - TWA</td>
<td>0.5 mg/m³</td>
</tr>
<tr>
<td>Slovakia OEL - TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Slovenia OEL - TWA</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>Sweden OEL - TWAs</td>
<td>1 mg/m³</td>
</tr>
<tr>
<td>Switzerland OEL -TWAs</td>
<td>2 mg/m³</td>
</tr>
</tbody>
</table>

Tributyltin Oxide
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Controls

Engineering Controls: Engineering controls should be used as the primary means to control exposures. General room ventilation is adequate unless the process generates dust, mist or fumes. Keep airborne contamination levels below the exposure limits listed above in this section.

Personal Protective Equipment:

Hands: Wear impervious, disposable gloves as minimum protection (double recommended).

Eyes: Wear safety goggles as minimum protection (additionally, face shield recommended for open handling).

Skin: Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.

Respiratory protection: If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral</td>
</tr>
<tr>
<td>Molecular Formula</td>
<td>Mixture</td>
</tr>
<tr>
<td>Solvent Solubility</td>
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<tr>
<td>Water Solubility</td>
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<td>Water Solubility (Twelve hours)</td>
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</tr>
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<td>Melting/Freezing Point (°C)</td>
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<tr>
<td>Boiling Point (°C)</td>
<td>&gt;100</td>
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<tr>
<td>Partition Coefficient (Method, pH, Endpoint, Value)</td>
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</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
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<tr>
<td>Evaporation Rate (Gram/s)</td>
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<tr>
<td>Vapor Pressure (kPa)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor Density (g/ml)</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative Density</td>
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</tr>
<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature (Solid) (°C)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solids)</td>
<td>No data available</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable at normal conditions
Possibility of Hazardous Reactions:
Oxidizing Properties: No data available
Conditions to Avoid: Keep away from heat, spark, flames and all other sources of ignition. Fine particles (such as dusts, mists and vapors) may fuel fires/explosions.
Incompatible Materials: Soaps, anionic materials, oxidizers, and chlorine
Hazardous Decomposition Products: No data available

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects
General Information: Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation.
Routes of exposure: eye contact, skin contact, inhalation

Acute Toxicity: (Species, Route, End Point, Dose)

**Alkyl Dimethyl Benzyl Ammonium Chloride**
- Rat Oral LD50 426 mg/kg
- Rat Sub-tenon injection (eye) LD50 100mg/kg
- Rat Dermal LD50 930mg/kg
- Rat Inhalation 0.054-0.51mg/L

**Tributyltin Oxide**
- Rat Oral LD50 87 mg/kg
- Rat Dermal LD50 605mg/kg
- Rat Inhalation LC50 4h 0.065mg/L

**Tetrasodium EDTA**
- Mouse Oral LD50 30 mg/kg
- Rat Oral LD50 > 2000mg/kg

**Citric acid**
- Rat Oral LD50 3000 mg/kg

**Propylene glycol**
- Rat Oral LD50 22,000 mg/kg
- Mouse Oral LD50 24,900mg/kg
- Rabbit Dermal LD50 20,800mg/kg

**Sodium hydroxide**
- Mouse IP LD50 40 mg/kg
11. TOXICOLOGICAL INFORMATION

Didecyldimethylammonium chloride
Rat Oral LD 50 84 mg/kg
Rat Sub-tenon injection (eye) LD 50 45 mg/kg
Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.
Inhalation Acute Toxicity May be harmful if inhaled. May cause respiratory tract and mucous membrane irritation.
Ingestion Acute Toxicity May be harmful if swallowed

Irritation / Sensitization: (Study Type, Species, Severity)

Alkyl Dimethyl Benzyl Ammonium Chloride
Skin Irritation Rabbit Corrosive
Skin Irritation Guinea Pig Negative

Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides
Skin Irritation Rabbit Corrosive

Tetrasodium EDTA
Skin Irritation Rabbit Moderate
Eye Irritation Rabbit Moderate

Citric acid
Eye Irritation Rabbit Severe
Skin Irritation Rabbit Mild

Propylene glycol
Skin Irritation Rabbit Mild
Eye Irritation Rabbit Mild

Sodium hydroxide
Eye Irritation Rabbit Severe
Skin Irritation Rabbit Severe

Didecyldimethylammonium chloride
Skin Irritation Rabbit Corrosive
Irritation / Sensitization Comments: May cause irreversible eye damage.
Skin Irritation / Sensitization May cause skin burns based on components.

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Tributyltin Oxide
4 Week(s) Rat Oral 80 mg/kg/day LOAEL Endocrine system, Blood
4 Week(s) Rat Oral 50 mg/kg LOAEL Thymus

Reproduction & Developmental Toxicity: (Study Type, Species, Route, Dose, End Point, Effect(s))

Tributyltin Oxide
Embryo / Fetal Development Mouse Oral 11.7 - 35 mg/kg LOAEL Maternal toxicity, Teratogenic
### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Material Name: Roccal D Plus</th>
<th>ROCCAL D PLUS</th>
<th>Material Name:  Roccal D Plus</th>
<th>ROCCAL D PLUS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Embryo / Fetal Development</strong> Mouse Oral 40 mg/kg/day LOAEL Maternal Toxicity, Embryotoxicity**</td>
<td></td>
<td><strong>Embryo / Fetal Development</strong> Mouse Oral 40 mg/kg/day LOAEL Maternal Toxicity, Embryotoxicity</td>
<td></td>
</tr>
</tbody>
</table>

#### Didecyldimethylammonium chloride
- **Embryo / Fetal Development** Mouse Oral 40 mg/kg/day LOAEL Maternal Toxicity, Embryotoxicity
- **Embryo / Fetal Development** Rabbit Oral 10 mg/kg/day NOAEL Not teratogenic
- **Embryo / Fetal Development** Rabbit Oral 10 mg/kg/day LOAEL Fetotoxicity, Maternal Toxicity
- **Embryo / Fetal Development** Rat Oral 20 mg/kg/day NOAEL Not Teratogenic, Fetotoxicity
- **2 Generation Reproductive Toxicity** Rat Oral 1500 ppm NOAEL Reproductive toxicity

#### Genetic Toxicity: (Study Type, Cell Type/Organism, Result)
- **Alkyl Dimethyl Benzyl Ammonium Chloride**
  - Bacterial Mutagenicity (Ames) *Salmonella* Negative
  - *In Vitro* Chromosome Aberration *Chinese Hamster Ovary (CHO) cells* Positive
  - *In Vivo* Micronucleus *Mouse Bone Marrow* Positive
  - *In Vitro* Sister Chromatid Exchange *Chinese Hamster Ovary (CHO) cells* Negative

#### Carcinogenicity: (Duration, Species, Route, Dose, End Point, Effect(s))
- **Tributyltin Oxide**
  - 106 Week(s) Rat Oral 50 mg/kg/day LOAEL Benign tumors, Endocrine system

**Carcinogen Status:** None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.
12. ECOLOGICAL INFORMATION

Environmental Overview: Very toxic to aquatic life with long lasting effects. Releases to the environment should be avoided.

Toxicity:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Alkyl Dimethyl Benzyl Ammonium Chloride

*Pimephales promelas* (Fathead Minnow)  EPA  LC50  96 Hours  0.28 mg/L
*Lepomis macrochirus* (Bluegill Sunfish)  EPA  LC50  96 Hours  0.515 mg/L
*Oncorhynchus mykiss* (Rainbow Trout)  EPA  LC50  96 Hours  0.923 mg/L
*Cyprinodon variegatus* (Sheepshead Minnow)  LC50  96 Hours  0.86 mg/L
*Daphnia magna* (Water Flea)  EPA  ErC50  48 Hours  0.0059 mg/L

Tributyltin Oxide

*Daphnia magna* (Water Flea)  EPA  EC50  48 Hours  0.004 mg/L
*Oncorhynchus mykiss* (Rainbow Trout)  ASTM  LC50  96 Hours  0.003 mg/L
*Cyprinodon variegatus* (Sheepshead Minnow)  EPA  LC50  96 Hours  0.005 mg/L

Alkyl Dimethyl Benzyl Ammonium Chloride

*Pimephales promelas* (Fathead Minnow)  EPA  34 Day(s)  NOEC  0.032 mg/L

Persistence and Degradability:  No data available

Bio-accumulative Potential:  No data available

Mobility in Soil:  No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater.

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.

As of January 1, 2015, materials offered for transport that are classified for transportation only as Marine Pollutants and which are packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 Liters or less for liquids or having a net mass per single or inner packaging of 5 kilograms or less for solids are NOT subject to ICAO/IATA, IMDG, or ADR transport regulations provided the general packaging requirements of those regulations are met. Refer to ICAO/IATA A197, IMDG 2.10.2.7, ADR SP 375.

UN number:  UN 3082
UN proper shipping name:  Environmentally hazardous substances, liquid, n.o.s.  (Tributyltin compounds), Marine Pollutant
Transport hazard class(es): 9
Packing group: III

DOT

Bulk packages regulated as indicated above. Not regulated for transport in non-bulk (< 400 kg) packages unless shipped by vessel (water). In addition, as of January 2015, marine pollutants in non-bulk single or combination packages shipped by vessel in quantities less than or equal to 5 kg (for solids) or less than or equal to 5 L (for liquids) are not regulated in transport if the packaging requirements and other criteria of 49 CFR 171.4 are met.

U.S. DOT Reportable Quantity (RQ), 49 CFR 172.101 Appendix A:

Sodium hydroxide
CERCLA/SARA Hazardous Substances 1000 lb
and their Reportable Quantities: 454 kg

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

Canada - WHMIS: Classifications
WHMIS hazard class:
Class B, Division 3
Class E
Class D, Division 2, Subdivision B
This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

Propylene glycol
CERCLA/SARA 313 Emission reporting Not Listed
California Proposition 65 Not Listed
Inventory - United States TSCA - Sect. 8(b) Present
Australia (AICS): Present
EU EINECS/ELINCS List 200-338-0

Quaternary ammonium compounds, benzylcoco alkyldimethyl, chlorides
CERCLA/SARA 313 Emission reporting Not Listed
California Proposition 65 Not Listed
Inventory - United States TSCA - Sect. 8(b) Present
Australia (AICS): Present
EU EINECS/ELINCS List 263-080-8

Didecyldimethylammonium chloride
CERCLA/SARA 313 Emission reporting Not Listed
California Proposition 65 Not Listed
### 15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Material Name</th>
<th>CERCLA/SARA 313 Emission reporting</th>
<th>California Proposition 65</th>
<th>Inventory - United States TSCA - Sect. 8(b)</th>
<th>Australia (AICS):</th>
<th>EU EINECS/ELINCS List</th>
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</thead>
<tbody>
<tr>
<td><strong>Alkyl Dimethyl Benzyl Ammonium Chloride</strong></td>
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<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
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<tr>
<td><strong>Tetrasodium EDTA</strong></td>
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<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>200-573-9</td>
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<tr>
<td><strong>Citric acid</strong></td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>201-069-1</td>
</tr>
<tr>
<td><strong>Sodium hydroxide</strong></td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>215-185-5</td>
</tr>
<tr>
<td><strong>Tributyltin Oxide</strong></td>
<td>1.0 %</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>200-268-0</td>
</tr>
<tr>
<td><strong>9-10 Mole Nonionic Surfactant</strong></td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Not Listed</td>
<td></td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

Text of R phrases and GHS Classification abbreviations mentioned in Section 3

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H319 - Causes serious eye irritation
H318 - Causes serious eye damage
H301 - Toxic if swallowed
H372 - Causes damage to organs through prolonged or repeated exposure
H315 - Causes skin irritation
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects

Xn - Harmful
C - Corrosive
N - Dangerous for the environment
Xi - Irritant

16. OTHER INFORMATION

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

Reasons for Revision: Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 5 - Fire Fighting Measures. Updated Section 11 - Toxicology Information. Updated Section 14 - Transport Information.
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End of Safety Data Sheet