



# Safety Data Sheet

Issue Date: 08/07/2019

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

### 1.1 Product Identifier:

**Trade Name:** TRlstat D2 Preservative  
**INCI Name:** Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben  
**EINECS Name:** N-[1, 3-bis (hydroxymethyl)-2,5-dioxo-4-imidazolidinyl] N,N"-bis (hydroxymethyl)urea

**Product Use:** Active ingredient in cosmetic and personal care applications

**Supplier:** Voyageur Soap and Candle Company Ltd  
**Address:** Unit 14 – 19257 Enterprise Way Surrey, BC V3S 6J8  
**Website:** [www.voyageursoapandcandle.com](http://www.voyageursoapandcandle.com)  
**Telephone:** 1 (800) 758 – 7773

### 1.2 Emergency Telephone Number:

**24-Hour Emergency:** 1 (800) 424 – 9300 CHEMTREC

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture:

**Classification according to regulation EC No. 1272/2008:** Skin Sens. 1, H317  
**Classification according to Directive 67/548/EEC (DSD):** Irritant; Xi; R43

### 2.1 Label Elements



Signal Word: WARNING

Hazard Phrases: H317 – May cause an allergic skin reaction

Precautionary Phrases:

P280 – Wear protective gloves.

P302 + P352 – IF ON SKIN: wash with plenty of soap and water

P333 + P313 – If skin irritation or rash occurs: get medical attention

**Other Hazards:** Contains 1-[1,3-bis(hydroxymethyl)2,5-dioxoimidazolidin-4-yl]-1,3-bis(hydroxymethyl)urea

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

| Chemical Name     | CAS #      | EINECS #  | DSD Classification (67/548/EEC) | CLP Classification (EC) No 1272/2008 | %   |
|-------------------|------------|-----------|---------------------------------|--------------------------------------|-----|
| Propylene glycol  | 57-55-6    | 200-338-0 | N/A                             | N/A                                  | 56% |
| Diazolidinyl urea | 78491-02-8 | 278-928-2 | Xi R43                          | Skin Sens. 1 H317                    | 30% |
| Methylparaben     | 99-76-3    | 202-785-7 | N/A                             | N/A                                  | 11% |
| Propylparaben     | 94-13-3    | 202-307-7 | N/A                             | N/A                                  | 3%  |

**Additional Information:** For full text of H-statements and R-phrases: see SECTION 16

**SECTION 4: FIRST AID MEASURES****4.1 Description of First Aid Measures:**

**Eye Contact:** Irrigate immediately under running water with eyelids help open for at least 15 minutes. Consult a physician in case of irritation.

**Skin Contact:** Remove contaminated clothes. Wash off with large amounts of water and soap. Consult a physician immediately.

**Inhalation:** Remove to fresh air. Consult a physician in case of complaints.

**Ingestion:** Rinse mouth. Do not induce vomiting without medical advice.

**4.2 Most Important symptoms and effects, both acute and delayed:**

**Inhalation:** May cause slight irritation of the respiratory tract.

**Skin contact:** May cause irritation and sensitization.

**Eye contact:** May cause slight irritation.

**Ingestion:** May cause irritation of esophagus and gastrointestinal tract.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically and supportively.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 Suitable Extinguishing Media:**

Carbon dioxide, foam, dry chemical powder, water spray. Avoid strong water jet.

**5.2 Special Hazards Arising from the Substance or Mixture:**

Formation of carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen oxides, and formaldehyde in the event of fire during thermal decomposition.

### **5.3 Advice for Fire-Fighters:**

Wear suitable protective equipment and self-contained breathing apparatus with a full face-piece operated in positive pressure mode (EN 137).

Use water spray to cool closed containers at risk from fire and, if possible, remove them from the danger area.

Do not discharge contaminated extinguish water into the soil, surface water, groundwater or sewer system. See Section 13.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal Precautions, Protective Equipment and Emergency Procedures:**

Use suitable personal protective equipment as recommended in Section 8. Ensure adequate ventilation. Remove all ignition sources. Do not breathe the dusts.

### **6.2 Environmental Precautions:**

Prevent contamination of soil, surface water, and groundwater or sewer system.

### **6.3 Methods and Material for Containment and Cleaning Up:**

Collect the spillage preferably by vacuum or wet sweeping and carefully transfer to a suitable container for recovery or disposal. Wash contaminated surfaces by water.

### **6.4 Reference to Other Sections**

Treat recovered material as prescribed in Section 13.

## **SECTION 7: HANDLING AND STORAGE**

### **7.1 Precautions for Safe Handling:**

Wear personal protective equipment as recommended in Section 8. Handle in accordance with good industrial hygiene and safety practices. Wash hands after handling. Remove contaminated clothing and wash before reuse. Do not eat, drink, or smoke while handling. Ensure adequate ventilation. Do not breathe the dusts. Avoid contact with skin.

### **7.2 Conditions for Safe Storage, Including any Incompatibilities:**

Keep away from sources of ignition. Take precautions against accumulation of electrostatic charge. Very hygroscopic product. Keep the original tightly-closed containers in a cool, dry place.

### **7.3 Specific end use(s):**

Active ingredient in cosmetic and personal care applications

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **8.1 Control Parameters:**

| Chemical Name     | 8.1.1 Occupational Exposure Limits: | 8.1.2 Additional exposure limits under the conditions of use: | 8.1.3 DNEL/DMEL and PNEC-Values: |
|-------------------|-------------------------------------|---|----------------------------------|
| Propylene glycol  | No Limits established               | No Available  | Not Available                    |
| Diazolidinyl urea | No Limits established               | Not Available   | Not Available                    |
| Methylparaben     | No Limits established               | Not Available   | Not Available                    |
| Propylparaben     | No Limits established               | Not Available   | Not Available                    |

**8.2 Exposure Controls:** Observe the usual precautionary measures in handling the chemicals to keep a minimal exposure. Facilities should be equipped with an eye wash and a safety shower.

**8.2.1 Individual protection measures, such as personal protective equipment:**

**Eye/Face Protection:** Use safety glasses (EN 166).

**Hand Protection:** Use chemical resistant protective gloves e.g. PVC, nitrile (EN374). Gloves should be replaced immediately if signs of degradation are observed.

**Body Protection:** Wear protective working clothing.

**Respiratory Protection:** Use a mask type FFP1/FFP2 (EN149) when performing operations involving exposure to dusts. Ensure that the mask provides the necessary level of protection for the type and concentration of the contaminants in the area where the mask is intended for use.

**Thermal Hazards:** None required under normal conditions of use.

**Other:** An eye wash facility should be available in the work area. Employees must practice good personal hygiene, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.

**8.2.3 Environmental Exposure Controls:** Emissions from production processes and ventilation units should be controlled in compliance with environmental regulations.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic Physical and Chemical Properties:**

|   |  |
|---|--|
| <b>Appearance:</b> Viscous liquid yellowish                           | <b>Vapor Pressure:</b> Not determined                        |
| <b>Odor:</b> Characteristic   | <b>Vapor Density:</b> Not determined                         |
| <b>Odor Threshold:</b> No data available                              | <b>Relative Density:</b> 1180                                |
| <b>pH:</b> 7  | <b>Water Solubility:</b> Very soluble in water               |
| <b>Melting Point / Freezing Point:</b> Not determined                 | <b>Partition coefficient: n-octanol/water:</b> Not available |
| <b>Boiling Point:</b> Not available                                   | <b>Auto-ignition Temperature:</b> Not available              |
| <b>Flash Point (COC):</b> Not available                               | <b>Decomposition Temperature:</b> Not available              |
| <b>Evaporation Rate:</b> Not applicable                               | <b>Viscosity (cP):</b> Not determined                        |
| <b>Flammability (solid, gas):</b> Not applicable                      | <b>Explosion Properties:</b> Not available                   |
| <b>Upper / lower flammability or explosive limits:</b> Not applicable | <b>Oxidizing Properties:</b> Not available                   |

**9.2 Other Information:**

None

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

None known

### 10.2 Chemical Stability:

Stable if handled and stored as recommended in Section 7.

### 10.3 Possibility of Hazardous Reactions:

None known

### 10.4 Conditions to Avoid:

None known

### 10.5 Incompatible Materials:

Strong oxidizing agents

### 10.6 Hazardous Decomposition Products:

Carbon oxides, nitrogen oxides, formaldehyde

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

**Acute oral toxicity:** LD50 = 2570 mg/kg

**Acute dermal toxicity:** LD50 > 2000 mg/kg

**Acute inhalation toxicity:** Not available

**Sub-chronic oral toxicity:** NOAEL = 100 mg/kg/day (90 days)

**Sub-chronic dermal toxicity:** Not available

**Skin irritation:** Not irritating at 5%, slightly irritating at 30%

**Eye irritation:** Not irritating

**Sensitization:** Sensitizing

**Chronic toxicity:** No carcinogenic, mutagenic, or teratogenic effects known

## SECTION 12: ECOLOGICAL INFORMATION

**12.1 Toxicity:** EC50 (48h) = 35 mg/l (Daphnia magna)

LC50 (48h) > 100 mg/l (Daphnia magna)

LC50/EC50 (48h) > 100 mg/l (pesci)

**Acute (short-term) toxicity:** N/A

**Fish:** N/A

**Crustacea:** N/A

**Algae/aquatic plants:** N/A

**Other organisms:** N/A

**Chronic (long-term) toxicity:** N/A

**Fish:** N/A

### 12.2 Persistence and Degradability:

Data not available

**12.3 Bio accumulative Potential:**Not bio accumulative; Log K<sub>ow</sub> = -7.49**12.4 Mobility in Soil:**

Not available

**12.5 Results of PBT and vPvB Assessment:**

Not available

**12.6 Other Adverse Effects:**

None known

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste Treatment Methods:**

Product residues should be packaged, sealed, labeled and disposed of or incinerated in a suitable installation according to relevant local and national regulations. Contaminated empty containers should be treated in the same manner as the content.

**SECTION 14: TRANSPORT INFORMATION**

|  | <b>US DOT</b>  | <b>EU land transport (ADR/RID/ADN)</b> | <b>Sea Transport (IMDG)</b> | <b>Air Transport (ICAO/IATA)</b> |
|--|----------------|--|-----------------------------|----------------------------------|
| <b>14.1 UN Number</b>  | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |
| <b>14.2 UN Proper Shipping Name</b>  | Not Regulated  | Not Regulated                          | Not Regulated               | Not Regulated                    |
| <b>14.3 Transport Hazard Class(s)</b>  | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |
| <b>14.4 Packing Group</b>  | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |
| <b>14.5 Environmental Hazards</b>  | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |
| <b>14.6 Special Precautions for user</b>   | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable | Not applicable                         | Not applicable              | Not applicable                   |

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

**Seveso Category:** None

**Restrictions on product or on contaminated substances (Annex XVII REACH):** None

**Substances in Candidate List (Art. 59 REACH):** None

**Substances under authorization (Annex XIV REACH):** None

**Substances under export notification Reg. (EC) 689/2008:** None

**Regulation EC n. 1223/2009:** 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione, annex V.

### 15.2 Chemical Safety Assessment

Not available

## SECTION 16: OTHER INFORMATION

### 16.1 List of Relevant R-phrases (number and full text):

R34 May cause sensitization by skin contact.

### 16.2 Hazard statements (H) in sections 2-3

Skin Sens. 1 Skin sensitization, category 1. H317 May cause an allergic skin reaction.

### Disclaimer:

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End of Safety Data Sheet