



Creation Date 01-19-2015

Revision Number 2

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product name **Crystal Cut 322**

### Other means of identification

#### Recommended use of the chemical and restrictions on use

Material Uses Coolant  
Uses advised against Verify Applications

#### Details of the supplier of the safety data sheet

##### Manufacturer

Hangsterfer's Laboratories, Inc.  
175 Ogden Road  
Mantua, NJ 08051  
Phone 856-468-0216, Fax 856-468-0200  
Website: www.hangsterfers.com

##### Emergency telephone number

Chemtrec 1-800-424-9300 in US/Canada 1-613-996-6666 in Canada For international assistance, dial Chemtrec US number 1-703-527-3887

## 2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements

#### EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Amber

Physical state Liquid

Odor Mild

### Hazards not otherwise classified (HNOC)

#### Other Information

• No known effect

## 3. Composition/information on Ingredients

Chemical Family Synthetic Fluid.

| Chemical name   | CAS-No   | Weight-% |
|-----------------|----------|----------|
| Triethanolamine | 102-71-6 | 15       |

## 4. First aid measures

**First aid measures**

- Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician if necessary.
- Skin contact** Wash skin with soap and water. Consult a physician if necessary.
- Inhalation** Remove to fresh air. Consult a physician if necessary.
- Ingestion** Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

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

**Notes to Physician** Treat symptomatically.

**5. Fire-fighting measures**

**Suitable extinguishing media**

Not applicable.

**Unsuitable extinguishing media** Not applicable.

**Specific hazards arising from the chemical**

None known.

**Hazardous combustion products** Carbon oxides.

**Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Remove all sources of ignition. Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

**Other Information** Report spills as required to the appropriate authorities.

**Environmental precautions**

**Environmental precautions** No unusual hazard.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for Clean-Up** Take up mechanically, placing in appropriate containers for disposal.

**7. Handling and Storage**

**Precautions for safe handling**

**Handling** Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers. Avoid contact with skin and eyes.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat and sources of ignition.

**Incompatible materials** Acids and oxidizing agents.

**8. Exposure Controls/Personal Protection**

Control parameters

**Exposure guidelines** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

**Engineering controls** Showers, eyewash stations, and ventilation systems. Use in well ventilated area. If user operations generate an oil mist, use process enclosures, local exhaust ventilation or other engineering controls to control airborne levels below the recommended mineral oil mist exposure limits (ACGIH TLV TWA: 5 mg/m<sup>3</sup>; ACGIH TLV STEL: 5 mg/m<sup>3</sup>)

Individual protection measures, such as personal protective equipment

- Eye/face protection** Safety glasses with side-shields.
- Skin and Body Protection** Use protective gloves and clothing if contact with product is likely.
- Respiratory protection** If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. Physical and Chemical Properties**

Information on basic physical and chemical properties

|                                       |   |                         |                   |
|---------------------------------------|---|-------------------------|-------------------|
| <b>Physical state</b>                 | Liquid                                  | <b>Odor</b>             | Mild              |
| <b>Appearance</b>                     | Amber                                   | <b>Odor threshold</b>   | No data available |
| <b>Color</b>                          | Amber                                   |                         |                   |
| <b>Property</b>                       | <b>Values</b>                           | <b>Remarks • Method</b> |                   |
| <b>pH</b>                             | 8.4 - 8.6                               |                         |                   |
| <b>Melting point / freezing point</b> | 0 °C / 32 °F                            |                         |                   |
| <b>Boiling point</b>                  | 100 °C / 212 °F                         |                         |                   |
| <b>Flash point</b>                    | Non-flammable                           |                         |                   |
| <b>Evaporation rate</b>               | No information available                |                         |                   |
| <b>Flammability (solid, gas)</b>      | No information available                |                         |                   |
| <b>Flammability Limit in Air</b>      |   |                         |                   |
| <b>Upper flammability limit</b>       | No unusual hazard                       |                         |                   |
| <b>Lower flammability limit</b>       | No unusual hazard                       |                         |                   |
| <b>Vapor pressure</b>                 | <0.01 mmHg @ 20 °C                      |                         |                   |
| <b>Vapor density</b>                  | > 5                                     |                         |                   |
| <b>Specific gravity</b>               | 1.06 - 1.08                             |                         |                   |
| <b>Water solubility</b>               | Soluble in water                        |                         |                   |
| <b>Solubility in other solvents</b>   | No information available                |                         |                   |
| <b>Partition coefficient</b>          | No information available                |                         |                   |
| <b>Autoignition temperature</b>       | No unusual hazard                       |                         |                   |
| <b>Decomposition temperature</b>      | No unusual hazard                       |                         |                   |
| <b>Kinematic viscosity</b>            | 8 - 10 cSt @ 40°C / 52 - 59 SUS @ 100°F |                         |                   |
| <b>Dynamic viscosity</b>              | No information available                |                         |                   |
| <b>VOC Content, % Vol</b>             | Request additional information          |                         |                   |



## Crystla Cut 322

No unusual hazard

| Chemical name               | Freshwater Algae                                   | Freshwater Fish   | Microtox | Water Flea                           |
|-----------------------------|--|-------------------|----------|--------------------------------------|
| Triethanolamine<br>102-71-6 | 216 mg/L (72 h) EC50<br>Desmodesmus<br>subspicatus | 11800 mg/L (96 h) | -        | 1386.24 h Daphnia<br>magna mg/L EC50 |

### Persistence/Degradability

Readily biodegradable.

### Bioaccumulation/ Accumulation

No unusual hazard.

| Chemical name               | Log Pow |
|-----------------------------|---------|
| Triethanolamine<br>102-71-6 | -2.53   |

Other adverse effects None known

## 13. Disposal Considerations

### Waste treatment methods

**Waste Disposal Method** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Waste code 15 01 10 may apply to empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport Information

### DOT

**UN-No** Not regulated  
**Proper shipping name** Not regulated  
**Hazard Class** Not regulated  
**Packing group** Not regulated  
**Labels** Not regulated  
**Description** Not regulated

### TDG

**UN-No** Not regulated  
**Proper shipping name** Not regulated  
**Hazard Class** Not regulated  
**Packing group** Not regulated  
**Labels** Not regulated  
**Description** Not regulated

### IMDG/IMO

**UN-No** Not regulated  
**Proper shipping name** Not applicable  
**Hazard Class** Not regulated  
**Packing group** Not regulated  
**Labels** Not regulated  
**Description** Not regulated

### ADR/RID

**UN-No** Not regulated

## Crystal Cut 322

|                      |               |
|----------------------|---------------|
| Proper shipping name | Not regulated |
| Hazard Class         | Not regulated |
| Packing group        | Not regulated |
| ADR/RID-Labels       | Not regulated |
| Description          | Not regulated |

### IATA

|                      |                |
|----------------------|----------------|
| UN-No                | Not regulated  |
| Proper shipping name | Not applicable |
| Hazard Class         | Not regulated  |
| Labels               | Not regulated  |
| Packing group        | Not regulated  |
| Description          | Not regulated  |

## 15. Regulatory information

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical name   | CAS-No   | Weight-% | SARA 313 - Threshold Values % |
|-----------------|----------|----------|-------------------------------|
| Triethanolamine | 102-71-6 | 15       | -                             |

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute health hazard               | No |
| Chronic Health Hazard             | No |
| Fire hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### U.S. Regulations & Inventories

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the TSCA inventory or are exempt from listing. See Section 16 for explanation of column headings.

| Chemical name               | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Triethanolamine<br>102-71-6 | X          | X             | X            |

#### U.S. EPA Label information

EPA Pesticide registration number Not applicable

#### CANADA

## 16. Other information

|             |          |                |                    |                       |
|-------------|----------|----------------|--------------------|-----------------------|
| <u>NFPA</u> | HEALTH 1 | Flammability 0 | Instability 0      | Physical hazard -     |
| <u>HMIS</u> | HEALTH 1 | Flammability 0 | Physical Hazards 0 | Personal Protection - |

## Crystal Cut 322

---

Creation Date 01-19-2015  
Revision Date 08-26-2019

### Disclaimer

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**