

SDS Number: 0116

Revision Date: 1/5/2015

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PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**  
U.S. Water Services  
12270 43rd St. NE  
St. Michael, MN 55376

**Contact:**  
Non-emergency #: 866-663-7632  
SDS@uswaterservices.com  
www.uswaterservices.com

**Product Name:** FREEZEGUARD  
**Revision Date:** 1/5/2015  
**Version:** 2  
**SDS Number:** 0116  
**Common Name:** Mixture  
**Product Code:** CT0051  
**Internal ID:** 010C  
**Product Use:** Water Treatment

**EMERGENCY RESPONSE:** (ChemTel)  
US & Canada: 800-255-3924  
International: +01-813-248-0585

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HAZARDS IDENTIFICATION

**HMIS III:** H0/F1/PH0

| HMIS III                                                    |   |
|-------------------------------------------------------------|---|
| HEALTH                                                      | 0 |
| FLAMMABILITY                                                | 1 |
| PHYSICAL HAZARDS                                            | 0 |
| PERSONAL PROTECTION<br>C   Safety Glasses,<br>Gloves, Apron |   |

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**GHS Signal Word: WARNING**

**GHS Hazard Pictograms:**



**GHS Classifications:**

Health, Serious Eye Damage/Eye Irritation, 2 B  
Health, Skin corrosion/irritation, 3  
Health, Acute toxicity, 5 Oral  
Health, Specific target organ toxicity - Single exposure, 3

**GHS Phrases:**

H320 - Causes eye irritation  
H316 - Causes mild skin irritation  
H303 - May be harmful if swallowed  
H335 - May cause respiratory irritation

**GHS Precautionary Statements:**

P281 - Use personal protective equipment as required.  
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P302+352 - IF ON SKIN: Wash with soap and water.  
P304+341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

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**COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredients:**

Cas# % Chemical Name  
57-55-6 100 1,2-Propanediol

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**FIRST AID MEASURES**

**Inhalation:** Remove from contamination. If symptoms persist, seek medical attention.  
**Skin Contact:** Wash off with soap and plenty of water. Consult a physician if irritation develops.  
**Eye Contact:** Flush eyes with plenty of running water for at least 15 minutes and consult a physician.  
**Ingestion:** Rinse mouth with water. Consult a physician. Do not induce vomiting unless directed to do so by

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medical personnel.

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FIRE FIGHTING MEASURES

Flash Point: None

Flash Point Method: Pensky Martens Closed cup

Burning Rate: No data available

Autoignition Temp: No data available

LEL: Not applicable

UEL: Not applicable

Extinguishing Media:

**Suitable:** Use extinguishing media suitable for surrounding fire.

**Unsuitable:** No information available

**Hazardous combustion products:** Hazardous decomposition products formed under fire conditions- Carbon oxides, and other hazardous compounds

**Unusual Fire or Explosion Hazards:** None known

**Special protective equipment/precautions:** Wear self-contained breathing apparatus

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ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective equipment, emergency procedures:** Avoid contact with the material. See section 8 of SDS for PPE recommendations

**Environmental Precautions:** Keep runoff from entering drains or waterways

**Spill/Leak procedures:** Contain spill or leak. Dike area if necessary to prevent spill from spreading or entering sewers and waterways. Recover as much as possible then absorb remainder with inert material. Place into closed container for disposal.

**Regulatory Requirements:** Dispose of recovered material in accordance with all applicable state and federal regulations.

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HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with eyes, skin, or clothing. Do not taste or swallow. Do not inhale vapor or mist. Use with adequate ventilation. For industrial use only!

**Storage Requirements:** Store in closed containers away from temperature extremes and incompatible materials. Store in properly labeled containers in accordance with all local, state and federal guidelines.

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### EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Engineering Controls:

Provide local exhaust ventilation as needed to control misting.  
HMIS PP, C | Safety Glasses, Gloves, Apron

#### Personal Protective

#### Equip:

Respiratory protection: If needed use MSHA/NIOSH approved respirator. Seek professional advice prior to respirator selection and use. Follow all requirements of OSHA respirator regulations (29 CFR 1910.134)  
Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.  
General Hygiene: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, using the toilet, or applying cosmetics.  
PPE recommendation is advisory only and based on typical use conditions. An industrial hygienist or safety officer familiar with the specific situation of anticipated use must determine actual PPE required when using this product (29 CFR 1910.132)

#### Exposure Limits:

(TWA): 10 mg/m<sup>3</sup>

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### PHYSICAL AND CHEMICAL PROPERTIES

|                        |                  |
|------------------------|------------------|
| Appearance:            | Clear, yellow    |
| Physical State:        | Liquid           |
| Odor Threshold:        | Not determined   |
| Spec Grav./Density:    | 8.66 lb/gal      |
| Viscosity:             | 45cp @ 20C       |
| Boiling Point:         | 187C             |
| Partition Coefficient: | Not determined   |
| Vapor Pressure:        | 0.08 mm Hg @ 20C |
| pH:                    | Not determined   |
| Evap. Rate:            | Not determined   |
| Molecular weight:      | 76.10 g/mol      |
| Decomp Temp:           | Not determined   |

|                          |                   |
|--------------------------|-------------------|
| Odor:                    | Slight sweet odor |
| Molecular Formula:       | C3H8O2            |
| Solubility:              | Complete in water |
| Freezing/Melting Pt -60C | Not determined    |
| Flash Point:             | 2.62 (Air=1)      |
| Vapor Density:           | Not determined    |
| Auto-ignition Temp       | Not determined    |
| UFL/LFL:                 | Not determined    |

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### STABILITY AND REACTIVITY

**Stability:** Product is stable under normal storage and use conditions.  
**Conditions to Avoid:** Avoid temperature extremes. Keep container closed when not in use.  
**Materials to Avoid:** Strong oxidizing agents, strong alkalis, strong acids.  
**Hazardous Decomposition:** Thermal decomposition may produce carbon oxides and other toxic compounds.  
**Hazardous Polymerization:** Will not occur.

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## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Oral (LD 50): (rat) 20,000 mg/kg  
**Skin Corrosion/Irritation:** Irritating  
**Serious eye damage/irritation:** May cause eye damage  
**Respiratory or skin sensitization:** No data available  
**Specific target organ toxicity (single exposure):** No data available  
**Specific target organ toxicity (repeated exposure):** No data available  
**Aspiration hazard:** No data available  
**Carcinogenicity:** No carcinogenic effects are known for the components of this product  
**Germ Cell Mutagenicity:** No mutagenic effects are known for the components of this product  
**Teratogenicity:** No teratogenic effects are known for the components of this product

## 12 ECOLOGICAL INFORMATION

**Aquatic Toxicity** No data available  
**Elimination (persistence & degradability):** No data available  
**Bioaccumulative potential:** No data available  
**Mobility in soil:** No data available  
**Other adverse effects:** No data available

## 13 DISPOSAL CONSIDERATIONS

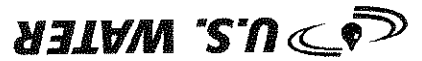
Dispose of in accordance with local regulations.  
This material should be fully characterized for toxicity and possible reactivity prior to disposal (40 CFR 261). Use which results in chemical or physical change or contamination may subject it to regulation as a hazardous waste. Along with properly characterizing all waste materials, consult state and local regulations regarding the proper disposal of this material.  
Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

## 14 TRANSPORT INFORMATION

Proper Shipping Name: Non-regulated

DOT Transportation data (49 CFR 172.101)

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|----|------------------------|
| 15 | REGULATORY INFORMATION |
|----|------------------------|

COMPONENT / (CAS/PERC) / CODES

\*1,2-Propanediol (57556 100%)HAP, PA, TSCA

### REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act

TSCA: All components of this product are listed (or are not required to be listed) in the TSCA inventory  
EPA / CERCLA / SARA TITLE III:  
CERCLA List: This product does not contain any CERCLA listed hazardous substances.

Toxic Chemical List (SARA 313): This product does not contain any chemicals subject to routine annual toxic chemical release reporting.

Extremely Hazardous Substance (SARA 302/304): This product does not contain any extremely hazardous substances subject to emergency planning requirements.

SARA 312: No data available  
RCRA: No data available

|    |                   |
|----|-------------------|
| 16 | OTHER INFORMATION |
|----|-------------------|

Author: U.S. Water Services

Revision Notes: Updated to GHS format

### Disclaimer:

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