## 1 PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**

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

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

**Product Name:** FREEZEGUARD PLUS 35
**Revision Date:** 1/19/2015
**Version:** 1
**SDS Number:** 0157
**Common Name:** Mixture
**Product Code:** CT0073
**Internal ID:** 010B
**Product Use:** Water Treatment

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

## 2 HAZARDS IDENTIFICATION

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

| HMIS III | |
|---|---|
| HEALTH | 0 |
| FLAMMABILITY | 1 |
| PHYSICAL HAZARDS | 0 |
| PERSONAL PROTECTION<br>**B \| Safety Glasses, Gloves** | |

**GHS Signal Word:** WARNING

**GHS Hazard Pictograms:**

**GHS Classifications:**

Health, Skin corrosion/irritation, 3
Health, Specific target organ toxicity - Single exposure, 3

**GHS Phrases:**

H316 - Causes mild skin irritation
H335 - May cause respiratory irritation

**GHS Precautionary Statements:**

P102 - Keep out of reach of children.
P281 - Use personal protective equipment as required.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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)

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Ingredients:**

| Cas# | % | Chemical Name |
|---|---|---|
| 57-55-6 | 35% | Propylene glycol |

## 4 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 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** If discomfort or other symptoms develop, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

## 5 FIRE FIGHTING MEASURES

| | |
|---|---|
| **Flash Point:** | Greater than boiling point |
| **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:** May produce combustible vapors if water boils off under fire conditions

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

## 6 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.

## 7 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:** | Keep away from children. Store in closed containers away from temperature extremes and incompatible materials.<br>Store in properly labeled containers in accordance with all local, state and federal guidelines. |

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---|---|
| **Engineering Controls:** | Provide local exhaust ventilation as needed to control misting. |
| **Personal Protective** | HMIS PP, B \| Safety Glasses, Gloves |

**Equip:**

Respiratory protection: If needed use MSHA/NIOSH approved respirator for dusts and mists. 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:**
**OSHA (TWA)/PEL):** NE
**ACGIH (TWA/TLV):** NE

## 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance:** | Clear, light pink | | |
| **Physical State:** | Liquid | **Odor:** | Mild, slightly sweet |
| **Odor Threshold:** | Not determined | **Solubility:** | Complete in water |
| **Spec Grav./Density:** | 8.72 lb/gal | **Percent Volatile:** | Not determined |
| **Viscosity:** | Not determined | **Freezing/Melting Pt:** | ~0°F |
| **Boiling Point:** | ~217°F | **Flash Point:** | None |
| **Partition Coefficient:** | Not determined | **Vapor Density:** | >1 |
| **Vapor Pressure:** | <<1 mm @ 77°F | **VOC:** | ~10% (w/w) |
| **pH:** | 9.10 | **Auto-Ignition Temp:** | Not determined |
| **Evap. Rate:** | Slight | **UFL/LFL:** | Not determined |
| **Decomp Temp:** | Not determined | | |

## 10 STABILITY AND REACTIVITY

| | |
|---|---|
| **Stability:** | Product is stable under normal storage and use conditions. |
| **Conditions to Avoid:** | Store in closed container away from incompatible chemicals |
| **Materials to Avoid:** | Strong oxidizing agents, strong acids, strong bases |
| **Hazardous Decomposition:** | None under normal storage and use conditions. See Section 5 of SDS. |
| **Hazardous Polymerization:** | Will not occur. |

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity:** The following values are estimates based on data for the primary ingredient of this product, 1,2-Propanediol:

Oral: $LD_{50}$ (rat) > 40,000 mg/kg

Dermal: $LD_{50}$ (rabbit) > 40,000 mg/kg

**Skin Corrosion/Irritation:** Not expected to be irritating.
**Serious eye damage/irritation:** Not expected to be irritating.
**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** The following values are estimates based on data for the primary ingredient of this product, 1,2-Propanediol:

Fathead minnow $LC_{50}$ > 10,000 mg/L
*Daphnia magna* $LC_{50}$ > 10,000 mg/L
Rainbow Trout $LC_{50}$ > 10,000 mg/L

**Elimination** (persistency & 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)**

## 15 REGULATORY INFORMATION

**COMPONENT / (CAS/PERC) / CODES**

**----------**

***Propylene glycol (57556 35%)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:**
**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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