Safety Data Sheet Enviro-Flush 6010

1 Identification

Product Name:	Enviro-Flush 6010
Chemical Name:	N/A
Chemical Formula:	Mixture
Common Name:	N/A
CAS Number:	Not established
EPA Registry Number:	Not Established
SDS Number/Product Number:	TC2535
Recommended Use:	Ready-to-use winter toilet treatment/cleaner provides freeze protection to -25 °F

Supplier's details

Tysol LLC
4463 White Bear Pkwy 102
Woodbury, MN 55125 USA
651-730-4923
info@tysol.com

Emergency phone number
1-800-255-3924 (ChemTel)

2 Hazard(s) identification

Hazard Pictogram(s):

GHS Classification:
Skin Irritation – Category 2
Eye Irritation – Category 2B

GHS Signal Word:
Warning

GHS Hazard Statements:
H315: Causes skin irritation
H320: Causes eye irritation

GHS Precautionary Statements:
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+350: IF ON SKIN: Gently wash with plenty of soap and water.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+313: IF SKIN IRRITATION OCCURS: Get medical advice/attention.
P337+313: IF EYE IRRTATION PERSISTS: Get medical advice/attention.
P362: Take off contaminated clothing and wash before reuse.
P501: Dispose of contents/container in accordance with all regulations.

3 Composition/information on ingredients

Description	CAS Number	Composition
Propylene glycol	57-55-6	<60%
Alkyl (C12-C16) Dimethylbenzylammonium chlorides	8001-54-5	<1%
Didecyl dimethyl ammonium chloride	7173-51-5	<1%

4 First-aid measures

Inhalation: If inhaled, remove to fresh air.

Skin Contact: In case of contact, immediately flush skin with plenty of water. If skin irritation occurs, contact a physician.

Eye Contact: In case of contact, remove contact lenses, if worn, immediately flush eyes with plenty of water. If eye irritation persists, contact a physician immediately.

Ingestion: Rinse mouth with water, contact a physician or poison control center immediately if you feel unwell.

5 Fire-fighting measures

Specific Hazards: None

Extinguishing Media: Use the appropriate extinguishing media for the surrounding fire.

Firefighting Instructions: For any chemical fire, firefighters should wear self-contained breathing apparatus and full protective gear.

Flash Point: >300 °F
Flammability Class: Not flammable
Lower Explosive Limit: Not established
Upper Explosive Limit: Not established

6 Accidental release measures

Personal precautions, protective equipment, emergency procedures: Restrict access to area until completion of clean-up. Refer to protective measures listed in Sections 7 and 8.

Methods and Materials for containment and cleaning up: Flush spill area with water.

7 Handling and storage

Precautions for safe Handling: Avoid contact with eyes. Avoid contact with skin and clothing. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage: Keep containers tightly closed. Keep out of reach of children.

Incompatible materials: None identified.

8 Exposure control/personal protection

Exposure Limits:
Propylene glycol:
LD50 Oral: 22,000 mg/kg, rat
LC50 Inhalation: >317 mg/l, 2 hours, rabbit
LD50 Dermal: >2000 mg/kg, rabbit

Alkyl (C12-C16) Dimethylbenzylammonium Chlorides:
OSHAL PEL: Not established
ACGIH TLV: Not established

Didecyl dmiethyl ammonium chloride
OSHA PEL: Not established
ACGIH TLV: Not established

Engineering Controls: General room ventilation is normally adequate.

Respiratory Protection: General room ventilation is normally adequate.

Skin Protection: Use chemical-resistant gloves.

Eye/Face Protection: Safety glasses with side shields or goggles.

Other protective equipment: Ensure that eyewash stations/safety showers are close to the workstations. Other equipment may be required depending on the workplace standards.

General hygiene considerations: Avoid contact with skin, eyes, and clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practices.

9 Physical and chemical properties

Appearance: Clear blue liquid
Auto-ignition Temperature: Not Determined
Chemical Type: Mixture
Decomposition Temperature: Not Determined
Evaporation Rate: Not Determined
Flammability: Non-flammable
Flash Point: >300 °F
Initial Boiling Point / Boiling Range: 212 °F
Melting /Freezing Point: Not Determined
Molecular Weight: Not Applicable

Odor Threshold: Not Determined
Odor: Citrus aroma
Other Physical / Chemical Comments: No additional information
Packing Density: Not Applicable
Partition Coefficient: Not Determined
Percent VOCs: <10
Percent Volatiles: >90
pH: 6 - 8 At a concentration of 100%
Physical State: Liquid
Solubility in Water: Complete
Specific Gravity / Relative Density: >1
Upper / Lower Flammability or Explosive Limits: Not Established
Vapor Density: Not Established
Vapor Pressure: Not Established
Viscosity: Like water

10 Stability and reactivity

Reactivity: Not determined.
Stability: This material is expected to be stable under normal conditions of use.
Incompatible Materials: Not determined.
Hazardous Decomposition Products: Not determined.
Possibility of Hazardous Reactions and Conditions to Avoid: Not determined.
Hazardous Polymerization: Will not occur.

11 Toxicological information

Information on Likely routes of Exposure
Routes of entry – Inhalation: Yes
Routes of Entry – Eyes: Yes
Routes of Entry – Ingestion: Possible, but considered unlikely.
Routes of Entry – Skin absorption: Yes

Potential Health Effects
Signs and symptoms of short term (acute) exposure:
Eye Hazards: May cause eye irritation.
Skin Hazards: May cause skin irritation.
Ingestion Hazards: Harmful if swallowed.
Inhalation Hazards: May cause respiratory tract irritation.

Potential Chronic Health Effects: As listed above.

Mutagenicity: Not expected to be mutagenic in humans.

Carcinogenicity: This product is considered non-hazardous when evaluated by criteria established in the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Reproductive Toxicity: No data available.

Specific Target Organ Effects: No data available.

Toxicological Data: No data available.

12 Ecological information

Ecotoxicity: No data available.
Persistence and Degradability: No data available.
Bioaccumulative Potential: No data available
Mobility in Soil: No data available.
Other Adverse Effects: No data available.

13 Disposal considerations

Handling for Disposal: Handle in accordance with good industrial hygiene and safety practices. Refer to protective measures listed in sections 7 and 8..

Methods of Disposal: Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agencies for specific rules.

RCRA: If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method. For disposal of unused or waste material, check with local, state, and federal environmental agencies.

14 Transport information

Land (DOT): Not regulated for Land Transport

15 Regulatory information

TSCA Information: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

SARA Section 313 Notification: This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

16 Other information

Disclaimer
The above information is to the best of our knowledge, current, accurate, and complete based on information reasonably available to us as of the date of preparation of this form. However, it is the user's responsibility to determine the safety, toxicity and suitability for his or her own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by us to the effects of such use or on the safety or toxicity of this product. Nor do we assume any liability arising out of use by others of the product. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when exception conditions or circumstances exist or because of applicable laws or regulations.

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To determine the applicability or effect of any law or regulation with respect to the product, you should consult with your legal advisor or the appropriate government agency. We will not provide advice on such matters or be responsible for any injury or damage resulting for the use of the product described herein.

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