



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product

Propylene Glycol USP

COMPANY INFORMATION

Third Coast Chemicals

P.O. Box 239

Pearland, TX 77588

TELEPHONE NUMBERS

Transportation Emergency

Company: (866)901-2888

CHEMTREC: (800) 424-9300

2. COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

Chemical Name	CAS Number	Range in %
Propylene glycol	57-55-6	> 99.5

This material is NOT HAZARDOUS by OSHA Hazard Communication Standard (1910.1200)

3. HAZARD IDENTIFICATION

Emergency Overview

Appearance:

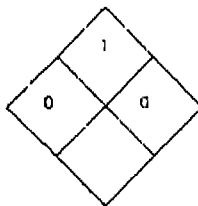
Colorless liquid,

Odor

Mild odor

National Fire Protection
Association, NFPA

Hazardous Material Information
System, HMIS



Health	0
Fire	1
Reactivity	0
Personal Protection	

POTENTIAL HEALTH EFFECTS

Eyes: May cause minimal irritation, experienced as temporary discomfort.

Skin: Brief contact is not irritating. No significant or symptoms indicative of any adverse health hazard are expected to occur as a result of skin exposure.

Inhalation: Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

Ingestion: If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

Chronic: No adverse effects have been documented in humans.

4. FIRST AID MEASURES

Eyes: Flush eyes with plenty of water. Get medical attention if eye irritation persists.

Skin: Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available. If persistent irritation occurs, obtain medical attention.

Ingestion: If swallowed get medical attention. Do not induce vomiting unless directed by medical personnel.

Inhalation: If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.

5. FIRE-FIGHTING MEASURES

Ignition Temperature - AIT (degrees C):
371.1 (700 F)

Flash Point (degrees C):
100 (212 F) CC

Flammable Limits % (Lower-Upper):
Lower: 2.6
Upper: 12.5

Unusual or Explosive Hazards:
None

Special Protective Equipment for Firefighters:

Wear positive-pressure, self contained breathing apparatus (SCBA) and protective fire fighting clothing.

Recommended Fire Extinguishing Agents And Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing. No special equipment or procedures required.

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300) **Procedures in Case of Accidental Release, Breakage or Leakage:**

Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.

7. HANDLING AND STORAGE

Handling: Minimum feasible handling temperatures should be maintained. Do not empty into drains.

Storage: Store away from high heat, moisture, or strong oxidizers.. Keep containers tightly closed. Must be stored in a well ventilated area away from sunlight, ignition sources and sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.

Skin Protection: Wear chemical resistant gloves. Protective clothing should be worn and soiled clothing should be laundered. Wash exposed skin with soap and water.

Respiratory Protection: Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation: Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

Exposure Limit for the Total Product:
None established for product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless liquid,

Boiling Point (degrees C): 188 C (370F)

Odor: Mild Odor

Solubility in Water (%): Completely miscible

Specific Gravity : 1.0381

Vapor Pressure: < 1 mmHg at 25 C (77F)

Vapor Density: 2.6 (Air= 1)

10. STABILITY AND REACTIVITY

Stability Conditions/Conditions to Avoid:

Heat, flames, and sparks. Strong oxidizing agents.

Products Evolved When Subjected to Heat or Combustion:

Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes and ketones.

Hazardous Polymerizations:

DO NOT OCCUR

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Oral: LD 50 > 5.00 g/kg, rat, practically non-toxic

Inhalation: Believed to be practically non-toxic

Dermal: LD 50 > 2.0 g/kg (rabbit) practically non-toxic

IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)

Skin: Draize, believed to be < .50/8.0 (rabbit), no appreciable effect

Eyes: Draize, believed to be < 15.00/110 (rabbit) no appreciable effect

Sensitization: Not determined.

12. ECOLOGICAL INFORMATION

Acute Toxicity

Fish: Low toxicity; LC50 > 100 mg/l

Aquatic Invertebrates: Low toxicity; LC 50 > 100 mg/l

Algae : Low toxicity; LC50 > 100 mg/l

Microorganisms: No data available

Mobility: Releases to the environment will tend to partition to water and soil, with little potential for evaporation

Persistence and Degradability: Readily biodegradable in aerobic condition.

Bioaccumulation: Not expected to bioaccumulate

13. DISPOSAL CONSIDERATIONS:

Waste Disposal Methods:

Comply with federal, state and local regulations for disposal. It is the responsibility of the user of the product to determine at the time of disposal, waste classification and disposal methods.

14. TRANSPORT INFORMATION

Transportation

DOT:

Proper Shipping Name:

Not regulated

Identification Number: Not regulated

Hazard Class: Not regulated

Packing Group: Not regulated

Label Required: Not regulated

IMDG

Proper Shipping Name: Not regulated

ICAO

Proper Shipping Name: Not regulated

TDG

Proper Shipping Name: Not regulated

Hazard Class: Not regulated

Identification Number: Not regulated

Label Required: Not regulated

15. REGULATORY INFORMATION

Federal Regulations:

SARA Title III:

Section 302/304 Extremely Hazardous Substances

None.

Section 311/312 Hazardous Categorization:

Based on available information, this material is not classified as a health or physical hazard

Section 313 Toxic Chemical

This chemical does not contain any chemical components with known CAS numbers that exceed reporting levels established by SARA Title III

CERCLA 102(a)/DOT Hazardous Substances:

Chemical Name

None

States Right-to-Know Regulations:

California Prop. 65:

This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Pennsylvania Right to Know Chemical List:

Propylene glycol / CAS # 57-55-6

INTERNATIONAL REGULATIONS: Not intended to be comprehensive. Other regulation may apply

TSCA Inventory Status:

This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

Canadian Inventory Status:

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status:

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Australian Inventory Status:

This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Japan Inventory Status:

This product, or its components, are listed on or are exempt from JP Industry (ENCS) inventory.

Korea Inventory Status:

This product, or its components, are listed on or are exempt from the Korean Inventory ECI.

16. OTHER INFORMATION

MSDS Effective Date: 12/12/2007
Latest Revision

Use restrictions: Do NOT use in theatrical fog or artificial smoke generating applications.

Disclaimer of Responsibility:

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