

Propylene Glycol USP

INCI: Propylene Glycol

1. Chemical Product and Company Identification

Product Name: Propylene Glycol
Chemical Name: 1,2 PROPANEDIOL
CASRN: 57-55-6

Emergency Numbers: Chemtrec 800-424-9300

2. Composition/Information on Ingredients

Component & CAS Number	Weight	OSHA Hazard Category
1,2 PROPANEDIOL #57-55-6	99.5	Non-Hazardous

3. Physical and Chemical Properties

Appearance: Clear, colorless, mobile, syrupy liquid
Odor: Slight odor
Solubility in Water: Complete
Specific Gravity: 1.0361 at 20 deg. C
Boiling Point: 188.2 Deg C (370 F)
Flash Point: 228°F (PMCC)
Vapor Density: 2.6
Vapor Pressure (mm Hg): 0.129 @ 25C (77F)

4. Fire and Explosion Hazard

Extinguishing Media Alcohol-type foam, carbon dioxide, dry chemical.
Risks Arising from Combustion May release toxic fumes.
Protective Equipment Self-contained breathing apparatus.

5. Reactivity Data

Stability: Stable
Materials to avoid: Strong oxidizers
Hazardous decomposition products: N/A

6. Health Hazard Assessment

Acute Toxicity: N/A
Skin Contact: Not expected to be a skin irritant
Eye Contact: May cause minor eye irritation
Inhalation: No adverse health effects via inhalation.
Ingestion: Relatively non-toxic. Ingestion of sizable amount (over 100ml) may cause some gastrointestinal upset and temporary central nervous system depression. Effects appear more severe in individuals with kidney problems

6. Health Hazard Assessment con't

FIRST AID PROCEDURES

Skin Contact: Wash material off skin with copious amounts of soap and water
Eye Contact: Immediately flush eyes with copious amounts of water for 15 min.
Inhalation: Remove victim to fresh air.
Ingestion: Seek medical attention

7. Spill or Leak Procedures

Personal Precautions: Use gloves and goggles.
Environmental precautions: Biodegradable product.
Methods for Cleaning: Absorb by inert material.

8. Special Protection Information

Engineering Measures: Give adequate ventilation to the premises where the product is stored and/or handled.
Personal Protection Equipment: Not needed for normal use.
Control Parameters: Not needed for normal use.
Eye Protection: Goggles
Hand Protection: Gloves
Hygiene Measures: N/A

9. Handling and Storage

Handling: Avoid container damage.
Storage: Store in a cool, dry place.
Disposal: If possible recover the product, otherwise dispose of in an authorized landfill or incinerate in accordance with local regulations.

Use according to criteria of good industrial practice, avoid dispersion in the environment.
This product is not considered dangerous.

10. Other Information

HEALTH – 0
FLAMMABILITY – 1
REACTIVITY – 0

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