

## Propylene Glycol

### Material Safety Data Sheet (MSDS)

#### 1. PRODUCT IDENTIFICATION

Product Name: propylene glycol  
INCI Name: propylene glycol  
Chemical Name: propane, -1 -2 diol  
CAS Number: 57-55-6  
EINECS Number: 200-338-0  
Origin:

#### 2. PHYSICAL & CHEMICAL PROPERTIES

Melting Point:	liquid at room temperature
Boiling Point:	188°C (370°F)
Vapor Pressure, mmHg:	not available
Vapor Density, Air= 1:	not available
Freezing Point:	-60°C (76°F)
Viscosity:	not available
Solubility in water:	insoluble
HLB Value:	not available
Appearance & Odor:	clear viscous liquid, no odor

#### 3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions  
Incompatibility: avoid strong oxidizers, high temperatures  
Hazardous Decomposition: none known  
Hazardous Polymerisation: will not occur

#### 4. HANDLING & STORAGE

Precautions to be taken in handling and storing: This product must be stored, handled and used according to criteria of good industrial practice and to regulations in force. This leaflet is offered for your consideration and guidance only. This leaflet complements the Technical Data Sheet but does not replace it. The information herein contained is given to the best of our knowledge at the time of issue. Due to the several ways in which the product may be used and the possible interactions with variables not depending on or unknown to the supplier, we also cannot accept any liability whatsoever for any loss or damage however arising from the handling and use of our product.

#### 5. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Procedures: Remove sources of ignition, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels. "Oil dry", sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface.

#### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: No specific protective measures necessary.  
Protective Clothing: Gloves recommended to prevent prolonged skin contact. Safety glasses, goggles, or face shield recommended for eye protection.  
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

#### 7. HAZARDS IDENTIFICATION

Eye contact: May cause minor eye irritation.  
Skin: Not expected to be a skin irritant. No adverse reactions expected through skin absorption.  
Inhalation: No adverse reactions expected through inhalation.

#### 8. FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.  
Skin: Wash exposed areas of the body with soap and water.  
Inhalation: Remove from area of exposure. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist.  
Ingestion: Give one or two glasses of water to drink. If gastrointestinal symptoms develop, consult medical personnel.

#### 9. FIRE FIGHTING MEASURES

Flash Point (method): 109°C / 228°F Min (PMCC)  
Flammable Limits (STP): Lower: 2.4 Upper: 17.4  
Extinguishing Media: Alcohol-type foam, carbon dioxide, dry chemical  
Special Fire Fighting Protective Equipment: Use protection for the respiratory tract  
Unusual Fire & Explosion Hazards: If involved in a fire the substance may release toxic gases. Do not inhale the fumes.

#### 10. TOXICOLOGICAL INFORMATION

LD50: not available  
Decomposition: not available

#### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

#### 12. TRANSPORT INFORMATION

UN Hazard Class: Not available

#### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

ALL DATA HEREIN ARE ALL AS PER OUR SUPPLIER.