

1 PRODUCT & COMPANY IDENTIFICATION

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|---|---|
| Product Name: Propylene Glycol | Supplier: ASES CHEMICAL WORKS. |
| Synonyms: 1,2-Propanediol; 1,2-Dihydroxypropane; Methyl Glycol | Address: Brahm Bagh, Jalori Gate Jodhpur - 342001 Rajasthan-India |
| INCI Name: Propylene Glycol Dicaprate | Phone: +91-9636889954 |
| CAS Number: 57-55-6 | Web: www.ases.in |
| Formula: C ₃ H ₈ O ₂ | Email : ecom@ases.in |
| Product Form: Powder | |
| Product Use: Cosmetic Domestic & Industrial Use | |

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2. Label Elements:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3. Other Hazards:

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS No. | EC No. | Molar Mass | Weight% |
|------------------|---------|-----------|-------------|---------|
| Propylene Glycol | 57-55-6 | 200-338-0 | 76.09 g/mol | >95 |

4 FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Inhalation: If inhaled, removed to fresh air. Get medical attention if symptoms appear.

Ingestion: Seek medical attention or contact local poison control centre.

5 FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water spray, water jet, foam, dry powder, carbon dioxide.

Special protective equipment and precautions for fire-fighters: Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid breathing vapours, mist or gas.

Environmental precautions: No special environmental precautions required.

Methods and material for containment and cleaning up: Keep in suitable, closed containers for disposal.

7 HANDLING & STORAGE

Precautions: Keep away from Heat & from sources of ignition. Ground all equipment containing material. Do not ingest. Keep Away From Eyes.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Away from heat & spark. Keep tightly closed container.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Eyes: Wear chemical safety glasses or goggles.

Respiratory: In case of insufficient ventilation, wear suitable respiratory equipment.

Skin: Wear nitrile or rubber gloves, apron or lab coat. In case of large spill: Full suit, boots, gloves should be worn. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Other: Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling. No special environmental precautions required

MATERIAL SAFETY DATA SHEET

PROPYLENE GLYCOL

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------------------|------------------------|---|-------------------|
| Appearance: - Form: - | Viscous | Flammability or Explosive limit: | |
| Color: - | Colorless | Lower: | 2.6 vol % |
| Physical State: - | Liquid | Upper: | 12.6 vol % |
| Odour: - | Odorless | Odor Threshold: - | No data available |
| pH: - | 6.5-7.5 100g/l aq. sol | Water/Oil Dist. Co eff.: - | No data available |
| Melting Point: - - | 60°C | Boiling Point/Range: | 187°C |
| Critical Temperature: - | No data available | Flash Point: | 99°C |
| Vapor Pressure: - | 0.13 mbar @ 20°C | Auto Ignition Temperature:- | 400°C |
| Vapor Density: - | 2.62 (Air = 1.0) | Viscosity:- | 45 mPa.s at 20 °C |
| Volatility: - | No data available | Specific Gravity / Density: | 1.03 - 1.04 |
| Bulk Density: - | No data available | Solubility: | Soluble in Water |

10 STABILITY AND REACTIVITY

| | | | |
|---|---|--------------------------------|-------------------|
| Reactivity: | No data available | Incompatible Materials: | No data available |
| Chemical Stability: | Stable | Conditions to Avoid: | No data available |
| Possibility of hazardous reactions: - | No information Available | | |
| Incompatible materials: - | Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents Acid chlorides, Acid anhydrides, Oxidizing agents, Chloroformates, Reducing agents | | |
| Hazardous decomposition products formed under fire conditions. - | Carbon oxides | | |

11 TOXICOLOGICAL INFORMATION

No data available

12 ECOLOGICAL INFORMATION

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|---------------------------------------|--------------------------|
| Persistence and Degradability: | No information available |
| Ecotoxicity : | No data available |
| Other Adverse Effects: | No data available |

13 DISPOSAL CONSIDERATIONS

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| Product:- | Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging :- | Dispose of as unused product. |

14 TRANSPORT INFORMATION

US DOT Shipping Description (Land) : Not regulated
IMO-IMDG Shipping Description (Sea) : Not regulated
IATA Shipping Description (Air) : Not regulated

15 REGULATORY INFORMATION

No data available

16 OTHER INFORMATION

Disclaimer & Caution

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and ASES CHEMICAL WORKS assume no liability resulting from its use.