MATERIAL SAFETY DATA SHEET
Refined Glycerine

1. Chemical Product and Company Identification

Product name: Refined Glycerine

Product code: WILFARIN USP/ EP / BP 995 / 997/CP/IP

Recommended use: Raw material for manufacturing oleochemical derivatives

Exporter Details: Cosmo Chemistry India Pvt. Ltd.

Office No. 713, 7th Floor, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat, India – 395006

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2. Hazards Identification

Hazard classification: Non hazardous

Label elements including precautionary statements:

Pictograms: No Symbol Required

Signal words: Non Hazardous

Precautionary statements: Wear protective gloves, protective clothing, eye protection, face protection. If skin irritation occurs: Get medical advice and attention. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse.

Other hazards which do not result in classification (e.g. dust explosion hazard): Depending on particle size and concentration, explosive dust/air mixture can be formed.

3. Composition/Information on Ingredients

Chemical Name	Synonyms	Formula	CAS No	EC No
1,2,3-Propanetriol	Glycerine	C3H8O3	56-81-5	200-289-5
Aqua	Water	H2O	7732-18-5	231-791-2

4. First-aid Measures

Eye contact: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention urgently.

Skin contact: Wash skin thoroughly with soap and water. Remove contaminated clothing as washing proceeds.

Inhalation: Remove from exposure. Keep warm and at rest. Seek medical attention if you feel unwell.

Ingestion: Wash out mouth with water. Do not induce vomiting. Keep warm and at rest. Seek medical attention.

Most important acute and delayed symptoms/effects: None.

5. Fire Fighting Measures

Suitable (and unsuitable) extinguishing media: Use dry powder, water spray, foam, carbon dioxide for extinguishing. Avoid using large quantities of water.

Specific hazards arising from the chemical (e.g. hazardous combustion products): Irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Special protective equipment and precautions for fire-fighters: Wear a self-contained breathing apparatus and full protective gear.

6. Accidental Release Measures

Measures required for personal protection and protective equipment: Use rubber gloves, air respirator, goggles, safety shoes and lab coat. Remove contaminated clothing and wash hands between breaks and at end of duty hours. Locate eye washes and emergency showers in all work and storage areas.

Measures required for environment protection: Not available.

Clean-up and removal method: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Clean with hot water & detergents. Observe state, federal & local disposal regulations.

7. Handling and Storage

Precautions for safe handling: Use in well ventilated areas. Avoid creating dust. Avoid inhaling dust. Avoid contact with skin, eyes and clothes. Wear personal protective equipment (see section 8). Wear respiratory protection. Material can be slippery underfoot.

Conditions for safe storage (including incompatibilities): Keep away from drains, soils, surface & ground waters. Store in tightly closed original container when not in use. Storage area should be cool and dry. Keep away from ignition sources & naked flames. Store according to hazard classification.

Recommended handling temperature:

Parameter	Value
Temperature min Voyage	30 °C
Temperature minimum loading / discharge	40 °C
Temperature maximum loading / discharge	45 °C

8. Exposure Controls and Personal Protective Equipment

Exposure limits of the chemical substance, biological exposure limits, etc.: None established.

Appropriate engineering controls: Use normal precautionary measures for handling chemicals.

Personal protective equipment:

Protection of respiratory system: Wear air respirator

Eye protection: Wear goggles

Hand protection: Wear protective gloves

Body protection: Wear protective clothing, safety shoes

9. Physical and Chemical Properties

Parameter	Value
Appearance (physical state, color, etc.)	Colourless hygroscopic viscous liquid
Melting point	< 0 °C
Boiling point	290–295 °C @ 760 mm Hg
Flash point	>180 °C
Density	About 1.24 g/ml at 45 °C
Particle Size Distribution	Not applicable
Vapor Pressure	0.0025 mbar @ 50 °C
Partition coefficient: n-octanol/water	Not available
Water Solubility	Infinite g/100 ml in water @ 20 °C
Surface Tension	Not available
Auto Flammability	Not available
Flammability	Not available
Explosiveness	Not available
Oxidizing Properties	Not available
Stability in organic solvent	Not available
Dissociation constant	Not available
Viscosity	Not available

10. Stability and Reactivity

Chemical stability: Able to polymerise above 149 °C. Decomposes when heated above 290 °C.

Possibility of hazardous reactions: Not available.

Conditions to avoid (e.g. static discharge, shock, vibration, etc.): Strong oxidizing agents.

Incompatible materials: Strong acid.

Hazardous decomposition products: Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

11. Toxicological Information

Information on toxicological effects:

Parameter	Value
Acute toxicity	Not available
Skin corrosion/irritation	Not available
Serious eye damage/eye irritation	Not available
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available
Specific target organ toxicity (single exposure)	Not available
Specific target organ toxicity (repeated exposure)	Not available
Aspiration Hazard	Not available
Potential health effects – Inhalation	Not available
Potential health effects – Ingestion	Not available
Potential health effects – Skin	Not available
Potential health effects – Eyes	Not available

Signs and symptoms of exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Effects on the Environment

Toxicity: Not available.

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Not available.

Mobility in soil: Not available.

Other adverse effects: Not available.

13. Disposal Considerations

Disposal methods: Waste may be disposed of by a licensed waste disposal company. Follow local, state and federal disposal regulations.

Precautions for disposal (including the disposal method of contaminated containers and packages): Product and packaging should be disposed of in accordance with the local, state and federal regulations.

14. Transport Information

UN number: Not available

UN proper shipping name: Not available

Transport hazard classes: Not hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR.

Packing group, if applicable: Not available

Environmental hazard / Marine pollutant: No

15. Regulatory Information

Industrial Safety and Health Law: Not available

Toxic Chemical Control Law: Not available

Dangerous Substance Safety Management Law: Not available

Wastes Management Law: Not available

Other regulations in domestic and foreign countries: Observe prescribed Federal, State and Local measures for dealing with chemicals listed on EINECS (EU), TSCA-CSI (USA), DSL (Canada), AICS (Australia), ENCS (Japan), ECL (Korea), PICCS (the Philippines) and IECSC (China).

16. Other Information

This information presented here is believed to be accurate and pertains only to the product when stored in a sealed condition, as prescribed above. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product. Exporter shall in no way be liable for any claims, losses and damages of any third party, or for lost profits, or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, from the use of this product.

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