



SAFETY DATA SHEET
Propylene Glycol USP

Preparation
Date: 12.11.2024

1. IDENTIFICATION OF THE SUBSTANCE AND COMPANY IDENTITY

Product Identifier

Identification of the Substance : Propylene Glycol / Mono Propylene Glycol USP Grade

Recommended Use : Cosmetic, Pharmaceutical and Industrial use.

Suppliers Details

Company Address : Solco Solutions (PTY) LTD
165 Peaceway
Drummond, Durban,
KZN, South Africa

Emergency Telephone Number : +27 82 352 0152 (Office hours)
e-mail : info@solcosolutions.co.za

2. HAZARD IDENTIFICATION

This safety data sheet is provided as a courtesy to convey information and help assist in the safe handling and proper use of this product during transport and storage.

CLASSIFICATION OF SUBSTANCE OR MIXTURE

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

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

None required

OTHER HAZARDS THAT DO NOT RESULT IN CLASSIFICATION

None identified

3. COMPOSITION/ INFORMATION ON INGREDIENTS

The ingredients in the product do not result in exposure to hazardous chemicals

INCI Name	CAS Number	EC-No	Concentration %v/v	Classification
Propylene Glycol	57-55-6	200-338-0	≥99.8	Not classified



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4. FIRST-AID MEASURES

- Skin Contact : Take off immediately all contaminated clothing. Rinse skin immediately with plenty of water. May be absorbed through damaged or abraded skin in harmful amounts.
- Eye Contact : Immediately rinse thoroughly with plenty of water for at least 15 minutes. Remove contact lenses if safe to do so. Contact doctor if irritation persists.
- Inhalation : Remove victim to fresh air. Inhalation of a mist of this material may cause respiratory tract irritation. Get medical attention immediately if symptoms occur.
- Ingestion : Do NOT induce vomiting. Get medical attention immediately if symptoms occur.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY

Notes to Physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media

Water Spray, Alcohol resistant foam, Carbon Dioxide. Dry powder

Unsuitable Extinguishing media

No information available

Flash Point

99°C

Autoignition Temperature

371°C

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus and full protective gear.

Special hazards arising from the substance or mixture

Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapours.

Hazardous combustion products



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Carbon Monoxide. Carbon Dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Use personal protective equipment, e.g., safety glasses, masks and suitable gloves. Ensure adequate Ventilation.

Environment Precautions

Prevent product entering drains.

Methods and materials for containment and cleaning up

Major spills: Stop the leak and prevent spillage from entering drains. Contain spill using sand or other absorbent material. Collect residues and seal in drums labelled for disposal. Clean up affected area.

7. HANDLING AND STORAGE

Precautions for safe handling : Ensure adequate ventilation. Wear personal protective equipment / face protection
: Change contaminated clothing. Wash hands after working with substance.

Storage Conditions : Store in a dry and well-ventilated place. Keep away from heat and sources of ignition in labelled and tightly closed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Appropriate engineering controls: Showers, Eye Wash stations, ventilation systems.

Personal protective controls:

Eye/face protection : Use approved eye protection. Safety glasses with side shields

Skin protection : Use suitable gloves for permanent contact.

Body protection : Wear appropriate protective clothing

Respiratory protection : Wear suitable respiratory equipment in case of insufficient ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, Colour, etc.): A clear, colourless viscous liquid.

Odour: Odourless.

Solubility: Soluble in water.

Specific Gravity: 1.036



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Vapour Pressure: 0.08mmHg (20°C)
Boiling Point: 187°C
Freezing Point: -60 °C

10. STABILITY AND REACTIVITY

Chemical stability

The product is chemically stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Hygroscopic -absorbs moisture or water from the air

Conditions to avoid

Elevated temperatures

Hazardous decomposition products

Carbon oxides

Incompatible materials

Strong oxidising agents

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD50 Oral – Rat- male and female- 22.000 mg/kg
Inhalation: No data available
LD50 Dermal- Rabbit - >2.000mg/kg

Skin Corrosion/Irritation

Skin – Rabbit
Result: No skin irritation – 4h
(OECD test Guideline 404)

Serious Eye Damage/Eye Irritation

Eyes – Rabbit
Result: negative
(OECD test Guideline 405)

Respiratory or Skin Sensitization

Maximization Test: Guinea pig
Result: negative
(OECD test Guideline 406)



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Germ cell mutagenicity

Test Type: Chromosome aberration test in vitro
Test system: Human lymphocytes
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative
Test Type: Ames test
Test system: S. typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: Micronucleous test
Species: Mouse
Cell type: Bone marrow
Application Route: Intraperitoneal
Result: negative

Test type: Chromosome aberration test in vitro
Species: Rat
Cell type: Bone Marrow
Application Route: Oral
Result: negative

Test type: dominant lethal test
Species: Rat
Application Route: Oral
Result: negative

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

STOT single exposure

No data available.

STOT –repeated exposure

No data available.

Aspiration hazard

No data available.

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish: static test LC50 – Oncorhynchus mykiss (rainbow trout) 40.613 mg/l -96h



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Toxicity to daphnia and other aquatic invertebrates: static test LC50 Ceriodaphnia dubia (water flea)
18.340mg/l-48h

Toxicity to algae: Static test ErC50- Pseudokirchneriella subcapitata (green algae)- 19.000mg/l-96h

Toxicity to bacteria: NOEC – Pseudomonas putida- .20.000mg/l- 18h

Persistence and degradability

Biodegradability: aerobic Dissolved organic carbon (DOC)- Exposure time 28 d
Result: 98.3% - Readily biodegradable.

Bio-Accumulative Potential

No data available ‘

Mobility in soil

No data available

Results of PBT and vPvB assessment

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

13. DISPOSAL CONSIDERATIONS

Disposal considerations

The product should be disposed of in accordance with local regulations and should not be directly entered into sewage systems, nor should it be disposed of into the local environment.

14. TRANSPORT INFORMATION

CLASSIFICATIONS FOR TRANSPORT UNDER:

Not classified as dangerous in the meaning of transport regulations.

ADR	: European agreement on the International Carriage of Dangerous Goods by Road.
RID	: Regulations concerning International Carriage of Dangerous Goods by Rail
ICAO/IATA	: International Air Transport Association Standard for transportation of Dangerous by Air
IMO/IMDG	: International Maritime Dangerous Goods Code

15. REGULATORY INFORMATION

Safety, health and environmental regulations /legislation specific for the substance or mixture:

- Regulation (EC) No 1907/2006 on classification, labelling and packaging of substances and mixtures.



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- Occupational Health and Safety Act 85 of 1993

16. OTHER INFORMATION

Revision of Safety Data Sheet	Revision Date	Revision Number
	12 th November 2024	Revision 1.0
Reason for revision	First Issue	
Abbreviations	PPE: Personal Protective Equipment STOT: Specific Target Organ Toxicity	

DISCLAIMER

The information contained in this Safety Data Sheet is based upon the prevailing knowledge and information available at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality inspection. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text.