

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Propylene Glycol USP

Botanical Name/INCI propane-1,2-diol 1,2-propanediol alpha-propylene glycol MPG

PRODUCT USE: Food/Cosmetic

SUPPLIER: Botanic Planet Canada Inc. 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 57-55-6

Phone / Fax: 905-455-4444 / 905-455-8841

Product Form: Liquid

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

None are known

3. Composition / Information on Ingredients

Substance:	CAS-No:	EG-No:	Symbol	Percentage
Propylene Glycol USP	57-55-6	200-338-0	None	99%

4. First-Aid Measures

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO², Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: Keep away from drains, soils, surface & ground waters. CLEAN UP METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR

SPILLAGES: non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Physical form Liquid

Odour Almost odourless

Colour Colourless

Flammability Non-flammable

Log Pow -1.07 Test data

Dynamic viscosity 0.0434 Pa.s 25 °C

Melting point <-20 °C Test data

Boiling point 184 °C 1003.2 hPa

Flash point 104 °C Test data 1000.1 hPa

Vapour pressure 0.2 hPa 20 °C Test data

Relative vapour density 2.6

Solubility water Complete

ether 12 g/100 ml

Relative density 1.03 20 °C Test data

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide

and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information

For longer shelflife keep it away from heat, moisture and direct light

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Botanic Planet Canada Inc. 2 Bram Court, Unit # 3-4 Brampton, Ontario, L6W 3R6 Canada

Email: info@botanicplanet.ca www.botanicplanet.ca

Certificate of Analysis

Name: Propylene Glycol USP
INCI: propane-1,2-diol 1,2-propanediol alpha-propylene glycol MPG
Country of Origin: INDIA
Lot No: BPCPGUSP042023
Expiry: April 2026

Specifications

Propylene glycol USP/ EP pharma grade (MPG)

CAS No. 57-55-6

Physical & chemical characteristics-

monopropylene glycol	% wt	min. 99,7 max.
dipropylene glycol	% wt	0,1000 max.
monoethylene glycol	%wt	0,10 max. 0,10
diethylene glycol	%wt	max. 0,1000
water	%wt	max. 5
colour	APHA	max. 3
clarity at 25° C	NTU	1,0350 - 1,0370
specific gravity at 25° C		1,4310 -
refractive index nO20		1 ,4330 max.
neutralization number	mg KOH/g	0,100 max.
acidity as acetic acid	%wt	0,0020 max. 70
sulphated ash	mg/kg	max.1,0
chloride	mg/kg	max. 60,0
sulphate	mg/kg	185 - 189
distillation range oxidizing	compliance	
substance reducing	compliance	
substance volatile organic	compliance	
substance heavy metals	compliance	
iron	mg/kg	max. 5
arsenic	mg/kg	max. 0,30
lead	mg/kg	max. 2,0
cadmium	mg/kg	max. 1
mercury	mg/kg	

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