

DMSO STORE™

Safety Data Sheet

Version 5.50

Issue date: 03-01-2023

1. IDENTIFICATION

Product Identifier

Product name Propylene Glycol
Product code

Recommended use of chemical and restrictions on use:

Recommended use Laboratory Chemical

Details of the supplier of the safety data sheet

Supplier address DMSO Store Inc.
3580 SW 30th Ave
Fort Lauderdale FL
33312

Emergency telephone number

Company number 954-616-5699
Emergency telephone (24 hr.) 772-834-3947

2. HAZARDS IDENTIFICATION

Classification

Product definition Substance
Classification of Substance 29 CFR 1910
(OSHA HCS)
This chemical is not
considered hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Propylene Glycol	CAS No. 57-55-6	% wt. >99%
Mixture		Not applicable

4. FIRST AID MEASURES

Eye Contact

Do not rub eyes. Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical attention.

Skin Contact

If skin irritation does occur, wash with soap and flush with plenty of water. Remove contaminated clothes and shoes.

Inhalation

May cause respiratory irritation, if this occurs, remove to fresh air.

Ingestion

If swallowed rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Do not leave the victim unattended. If the victim becomes unconscious, Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing media suitable for the surrounding fire, such as dry chemical, carbon dioxide, or alcohol-resistant foam.

Unsuitable Extinguishing media

No information is available.

Specific hazards arising from the chemical

Product is combustible at high temperatures.

Products of combustion

Thermal oxides of carbon.

Protective Equipment and precautions for firefighters

As in any fire, wear SCBA and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Personal precautions	Use personal protection recommended in Section 8. Ventilate area. Clean up spills immediately as spills can create a slip hazard.
Environmental precautions	Prevent entry into waterways, sewers, or soil.

Methods and materials for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Do not allow runoff. Do not flush spills down the drain. Cover spill with absorbent, do not use combustible material when absorbing.
Methods for clean-up	Contain spill. Carefully collect material and place it in a proper container for disposal. Clean the area with soap and water.

7. HANDLING AND STORAGE

Advise on safe handling

Handle in accordance with good industrial hygiene and safety practices. Use personal protection recommended in section 8. Practice good ventilation when handling this material.

Incompatible Materials

strong oxidizers, strong acids.

Storage

Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep the container tightly closed to prevent moisture absorption.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Appropriate engineering controls

Engineering controls	Ensure adequate ventilation, especially in confined areas. Eyewash stations.
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Individual protections measure

Eye/face protection	Wear safety glasses with side shields
Skin and body protection	Wear protective clothing and gloves when handling material. Gloves should be made of material that is impermeable to chemicals and oil.

Respiratory Protection

Work in well ventilated area. Wear approved respirator if vapors are above permissible exposure limits.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear colorless liquid
Color	Colorless
Property values pH	6.5 - 7.5
Melting Point/ Freezing point	-60 ° C
Flash Point	101 ° C
Upper Flammability limits	12.6 %
Lower Flammability limits	2.6 %
Vapor Pressure	0.13 hPa at 20° C
Boiling Point Range	187 ° C
Relative Density	2.62
Water Solubility	Soluble
Odor	Odorless

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions

Chemical Stability

Stable under recommended storage conditions

Hazardous Reactions

May react violently with incompatible materials.

Conditions to Avoid

Extreme heat, Incompatible materials, moisture

Incompatible materials

Strong oxidizers, strong acids

Hazardous Decomposition Products

Thermal Oxides of Carbon

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause eye irritation. Signs and symptoms may include redness, swelling, tearing, and blurry vision.
Skin Contact	May cause skin irritation. Signs and symptoms may include localized redness, swelling and itching
Inhalation	May cause respiratory irritation in high air concentrations.
Ingestion	May cause gastrointestinal irritation. Symptoms may include stomach upset, nausea, vomiting and diarrhea.

Component information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol	20 g/kg rat	20,800 mg/kg rabbit	Not listed

Information on physical, chemical, and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short- and long-term exposures

Carcinogenicity	This product does not contain any carcinogenic or potential carcinogens as listed by OSHA and IARC.
Mutagenicity	No genotoxic activity was observed.

12. ECOLOGICAL TOXICITY

Chemical name	Algae/Aquatic Plants	Fish	Aquatic invertebrates
Propylene Glycol	EC ₅₀ - Pseudokirchneriella subcapitata 96h: 19,000 mg/l	LC ₅₀ -Oncorhynchus mykiss 96h 47mL/L LC ₅₀ -Pimephales promelas 96h: 51.400 mg/l	EC ₅₀ - Daphnia magna 48h: 1000 mg/l

<u>Persistence/ Degradability</u>	Persistence is unlikely.
<u>Bioaccumulation</u>	low potential for bioaccumulation
<u>Mobility</u>	High mobility
<u>Other adverse Effects</u>	Not Determined

13. DISPOSAL CONSIDERATIONS

Disposal Instructions

Disposal should be in accordance with applicable regional, national, and local laws and regulations

14. TRANSPORTATION INFORMATION

DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
IMDG	Not regulated

15. REGULATORY INFORMATION

Chemical Inventories

TSCA

All Ingredients are listed in compliance with the chemical notification requirements of TSCA.

US Federal Regulations

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200

SARA 313

Not Listed

CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and (40 CFR 122.42). US State Regulations Not determined.

California Proposition 65

This product does not contain any chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

Massachusetts

US Massachusetts Right to Know law, no components are listed.

New Jersey

US New Jersey Right to Know Act.

Component: Propylene glycol CAS# 57-55-6

Pennsylvania

US Pennsylvania Worker and Community Right to know law.

Component: Propylene glycol CAS# 57-55-6

16. OTHER INFORMATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
1	1	1	None determined

HMIS

Health Hazards	Flammability	Physical Hazards	Personal Protection
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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guidance for safe handling, use, processing, storage, transportation, and disposal. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for their own particular use.

End of Safety Data Report