

1,3-Propanediol**Page: 1/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

SECTION 1. IDENTIFICATION

Product Name/Identifier	1,3-Propanediol
Product Code	FSSD00499
Recommended Use	For professional users only, Cosmetics, Solvent, Fragrances, Personal care, Washing and cleaning products (including solvent based products), Polymer, Monomer
Restrictions on Use	Refer to Section 16 (Other Information) - Do not use product for anything outside of the above specified uses.
Supplier Site	Formulator Sample Shop
Address	135 Joshua Court Lincolnton, NC 28092, USA
Telephone No. (24hrs)	1-704-276-7540
Emergency Telephone #	1-704-276-7540 (Mon-Fri: 8:00AM – 5:00PM EST)

SECTION 2. HAZARD(S) IDENTIFICATION**Classification:****GHS / CLP**

Basis for Classification: Based on present data no classification and labeling is required according to GHS, taking into account the national implementation (United Nations version 2011)

USA

OSHA Regulatory Status: This material is non-hazardous as defined by the American OSHA Hazard Communication Standard (29 CFR 1910.1200).

Europe

Basis for Classification: -According to present data no classification and labeling is required according to Reg. (EC) No 1272/2008.
-This product is not classified as hazardous to health or environment according to the CLP regulation.

Labeling Elements:

Pictograph: No hazard symbol expected

Hazard statements/Signal Word: Not applicable

Precautionary statements: P233: Keep container tightly closed
P281: Use personal protective equipment as required
P402: Store in a dry place
P404: Store in a closed container

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.
This information is offered solely for your investigation, verification, and consideration.

1,3-Propanediol**Page: 2/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

Other hazards which do not result in classification:

No particular fire or explosion hazard.

By mechanical effect: No particular hazards.

By hydroscopic effect: No particular hazards.

US NFPA 704 (National Fire Protection Association) Hazard Rating System:

Health hazard: Rating 0; Normal Material

Flammability: Rating 0, Will Not Burn

Reactivity: Rating 0, Stable

Other Hazard Information: None

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**Common Chemical Name:** Propanediol**Chemical Family:** Substance**Description:** Substance**Substance**

Propanediol

CAS Numbers

504-63-2

EC Numbers

207-997-3

Formula: Not applicable**SECTION 4. FIRST-AID MEASURES****General:** In all cases of doubt, or when symptoms persist, seek medical attention.**Inhalation:** No hazards which require special first aid measures.**Skin contact:** No hazards which require special first aid measures.**Eye contact:** Immediately rinse with plenty of water for at least 15 minutes, while keeping the eyes wide open. Consult with a physician if eye irritation develops or persists.**Ingestion:** No hazards which require special first aid measures.**Protection of first-aiders:** No applicable data available.**SECTION 5. FIRE-FIGHTING MEASURES****Fire and explosion hazards:** Not considered to be a fire and explosion hazard**Extinguishing media:****Suitable:** Water, dry chemicals, foam and carbon dioxide

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.
This information is offered solely for your investigation, verification, and consideration.

1,3-Propanediol**Page: 3/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

Not suitable:	None known
Fire fighting:	Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low area
Specific hazards:	Exposure to decomposition products may be a hazard to health.
Protection for fire-fighters:	Full protective clothing, including boots, gloves, goggles and self-contained breathing equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE:	Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.
Personal precautions:	Avoid contact with eyes. Personal Protective Equipment: -Protective goggles
Environmental precautions:	Prevent entry into sewers and waterways. Do not allow material to contaminate ground water system
Methods for cleaning up:	
Recovery:	Contain spillage, soak up free liquid for recycling or disposal with non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulation (See Section 13).
Disposal:	For disposal of residues refer to Sections 8 & 13.

SECTION 7. HANDLING AND STORAGE

Handling

Technical measures:	Labeling: Keep out of the reach of children.
Safe handling advice:	No special precautions are needed in handling this material.

Storage

Technical measures:	Keep container closed to prevent contamination.
Recommended Storage Conditions:	Store in a cool, dry place. Store bulk quantities under nitrogen blanket. Keep away from heat, sparks and flames.

Incompatible products:	Avoid contact with strong acids and oxidizing agents. Refer to the detailed list of incompatible materials (Section 10 Stability/Reactivity)
------------------------	---

1,3-Propanediol**Page: 4/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Precautionary statements:** Ensure adequate ventilation, especially in confined areas.**Control parameters****Exposure Guidelines/Limit Values:** This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.**Personal Protective Equipment:****Respiratory protection:** A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respirator use. Consult the OSHA respiratory protection information located at 29CFR 1910.134.**Eye protection:** Safety glasses with side shields.**Skin and Body Protection:** Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.**Measures related to the Environment:** No particular measures.**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Liquid
Color: Colorless to light yellow
Odor: Characteristic**Specific Gravity:** 1.040 – 1.065**Microbial Content:** <100 CFU/g; No pathogens**Yeast & Mold:** <100 CFU/g**Gram Negative Bacteria:** 0 CFU/g**Vapor density:** Not applicable**Boiling Point:** 214.22°C (417.60°F)**Freezing Point:** Not available**Melting point:** -27.65°C (-17.77°F)**Flash point:** 129°C**Oxidizing properties:** Non oxidizing material according to EC criteria.**Solubility:****In water:** Soluble**In organic solvents:** Not determined**Log Pow:** -1.04

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.
This information is offered solely for your investigation, verification, and consideration.

1,3-Propanediol**Page: 5/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

Auto-ignition temperature: 400°C
Decomposition temperature: > 129°C

Viscosity, kinematic: 46 mm²/s at 20°C (68°F)
Viscosity, dynamic: 49 mPa.s at 20°C (68°F)

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage conditions.

Hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Temperatures above 129°C (> 264°F)

Materials to avoid: No dangerous reaction known with common products.

Hazardous decomposition products: None known

SECTION 11. TOXICOLOGICAL INFORMATION

Ingestion: Not Determined
Dermal: Not Determined
Ocular: Not Determined
Inhalation: Not Determined

Acute toxicity data: Not Determined
Sensitization: Not Determined
Repeated dose toxicity: Not Determined
Subacute to chronic toxicity: Not Determined

Carcinogenicity: The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Effects on the aquatic environment: Not Determined

Biodegradability:

Persistence: Not Determined

This information is presented in good faith but is not warranted as to accuracy of results. Also, freedom from patent infringement is not implied.
This information is offered solely for your investigation, verification, and consideration.

1,3-Propanediol**Page: 6/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

Bioaccumulation:

Octanol / water partition coefficient: Not Determined

Mobility:

Precipitation:

Expected behavior of the product: Not Determined

Other Adverse Effects:

Not Determined

SECTION 13. DISPOSAL CONSIDERATIONS**Residues from product**

Prohibition: Do not allow the product to be released into the Environment.

Destruction/Disposal: Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Note: Take all necessary precautions when disposing of this product according to local regulations.

SECTION 14. TRANSPORT INFORMATION**UN Number:** None**UN Shipping Name:** None**Transport Hazard Class:** Not classified as dangerous for transport

Land (rail/road): Material is not restrictive for land transport and is not regulated by ADR/RID
Sea: Material is not restrictive for sea transport and is not regulated by IMO/IMDG
Air: Material is not restrictive for air transport and is not regulated by ICAO/IATA

Marine Pollutant: No**Transport/Additional Information:** Not regulated for US DOT Transport in non-bulk containers
This material is not dangerous or hazardous**Special Precautions for User:** None known

The above regulatory prescriptions are those valid on the date of publication of this sheet. However, given the possible evolution of transport regulations for hazardous materials and in the event of the MSDS in your possession dating back more than 12 months, it is advisable to check their validity with your sales office.

1,3-Propanediol**Page: 7/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

SECTION 15. REGULATORY INFORMATION**Labeling:**

EC regulations:

This product does not need to be labeled in accordance with EC Directives or respective national laws

Further regulations

United Kingdom:

Handle in accordance with relevant British regulation: control of substance Hazardous to Health Regulations Environmental Hygiene Guidance: EH40 Workplace Exposure Limits (revised annually)

Korea regulations:

Industrial safety and hygiene regulation: No
Hazardous material control regulation: No
Fire prevention regulation: No**Other regulations:**

EINECS inventory status:

Propanediol: 207-997-3

TSCA inventory status:

Exempt

AICS inventory status:

504-63-2

Canadian (CEPA DSL) inventory status:

Listed as 1,3-Propanediol (DSL)

Japan (MITI list):

Propanediol

Korea:

Propanediol

China inventory status:

Propanediol

Philippines inventory status:

Listed as 1,3-Propanediol

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the products described in this sheet. The user's attention is drawn to the possible existence of additional provision which complete these regulations. Please refer to all applicable international, national and local regulations and provisions

SECTION 16. OTHER INFORMATION

Prohibited uses:

Do not use in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from the supplier under a written contract that expressly acknowledges the contemplated use.

Last Revision Date:

06/29/2023

Preparation Date:

12/28/2020

MSDS summary of changes

Revision to date, updated logo, updated section 9

1,3-Propanediol**Page: 8/8**

Date: 06 / 29 / 2023

Version: 2

Cancels and replaces version: 1

The information given is based on our knowledge of this product, at the time of publication in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than which it was intended. This is not in any way excuse the user from knowing and applying all the regulations governing their activity. It is sole responsibility of the user to take all precautions required in handling the product. The purpose of mandatory regulation mentioned is to help the user to fulfill his obligations regarding the use of products. This information is not exhaustive, this is not exonerate the user from ensuring that legal obligations other than those mentioned, relating to the use and storage.