

SAFETY DATA SHEET

2-METHYL-1,3-PROPANEDIOL (MP DIOL GLYCOL)

CAS No.: 2163-42-0

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	2-Methyl-1,3-Propanediol (MP Diol Glycol)
CAS Number	2163-42-0
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word Not classified

HAZARD CLASSIFICATION

None assigned

HAZARD STATEMENTS

None assigned

PRECAUTIONARY STATEMENTS

None assigned

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	2-Methyl-1,3-Propanediol (MP Diol Glycol)
CAS Number	2163-42-0
Physical State	Liquid
Appearance / Odour	Colorless to pale yellow, viscous liquid with a mild odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes if irritation occurs; remove contact lenses if present; seek medical attention if irritation persists.
Skin Contact	Wash off with water; not expected to cause more than transient irritation.
Inhalation	Remove to fresh air; low volatility limits typical inhalation exposure; seek medical attention if symptoms occur.
Ingestion	Rinse mouth; give water to drink; low acute toxicity but seek medical advice if large amounts are ingested or discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, alcohol-resistant foam, or water spray/fog; use media appropriate to the surrounding fire since this product's high flash point limits its own flammability.
Unsuitable Extinguishing Media	None specifically identified.
Special Hazards	Combustible liquid with a high flash point; combustion produces carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Contain the spill with inert absorbent; the material is water-miscible and can be diluted with water in a controlled area; collect for disposal.
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7. HANDLING AND STORAGE

Handling Precautions	Use with general ventilation; avoid prolonged skin/eye contact as good industrial hygiene practice.
Storage Conditions	Store in a cool, dry, well-ventilated place in tightly closed containers, away from strong oxidizers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	No specific occupational exposure limit widely established; general nuisance-vapor/mist guidance applies; use chemical-resistant gloves (nitrile), safety glasses, and general ventilation when handling bulk quantities.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless to pale yellow, viscous liquid with a mild odor.
Boiling Point	~214-215 C
Melting Point	~-32 to -40 C
Flash Point	~121-135 C (closed cup)
Density / Specific Gravity	~1.04-1.06 g/cm3 at 20 C
Water Solubility	Miscible with water in all proportions
pH Value	Not applicable (non-aqueous, essentially neutral organic liquid)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizing agents and strong acids.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion.

11. TOXICOLOGICAL INFORMATION

Summary	Low acute oral, dermal and inhalation toxicity; not classified as an irritant, sensitizer, carcinogen, mutagen or reproductive toxicant under GHS based on available data; used as a specialty diol building block for polyester, polyurethane and coating applications.
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12. ECOLOGICAL INFORMATION

Summary	Not expected to be significantly hazardous to aquatic organisms; considered readily to inherently biodegradable with low bioaccumulation potential.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of in accordance with local regulations; generally suitable for licensed waste disposal or dilution to sewer within permitted limits; not typically classified as hazardous waste.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Specialty diol used in polyester resins, polyurethane coatings, and as a propylene glycol/1,3-butanediol alternative; not classified as hazardous under GHS, OSHA HCS or EU CLP; not regulated for transport as a dangerous good.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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+91 - 9840284032, 9176135357
+91 - 44 - 25393652, 42130281
sales@surajchemicals.com
surajchemicals@yahoo.com

No 92, Govindappa Naicken Street
Shiva Complex, Chennai - 600001
www.surajchemicals.com
GST NO : 33ACEPV8190L1ZZ

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