



Material Safety Data Sheet

1. Product and Company Identification

Product Name : Dipropylene glycol n-butyl ether

Synonyms: Dipropylene glycol monobutyl ether; Dipropyleneglycolbutylether; DPNB

Cas No.: 29911-28-2

Supplier: Yueyang Changde New Materials Co., Ltd.

Address: Changling Area, Hunan Yueyang Green Chemical High-Tech Industrial Development Zone, Yunxi Street, Yunxi District, Yueyang City, Hunan Province, P.R.China

Telephone : +86-730-3062966

Zip Code: 414000

Applications: Coupling agent and solvent in household and industrial cleaners, grease and paint removers, metal cleaners, and hard surface cleaners.
Effective coalescent for lowering minimum film formation temperature (MFFT) in water-borne latex coatings.
Active solvent for solvent-based coatings.
Chemical intermediate for the production of epoxides, acid ester derivatives, solvents and plasticizers.
Effective solvent for water-reducible coatings.

2. Composition/Information on Ingredients

Component	Concentration	CAS NO.
Dipropylene glycol monobutyl ether	≥99.0% (weight percent)	29911-28-2

3. Hazards identification

Poisons Schedule: None allocated.

4. First-aid measures

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Skin Contact: If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek medical advice.

Notes to physician: Treat symptomatically.

5. Fire-fighting measures

Specific Hazards: Combustible liquid.

Fire-fighting advice: On burning will emit toxic fumes, including those of oxides of carbon. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Unsuitable Extinguishing Media: DO NOT USE the following as extinguishing media: Water jets.

6. Accidental release measures

Shut off all possible sources of ignition. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. Handling and storage

Handling advice: Avoid skin and eye contact.

Storage advice: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

Classified as a C1 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

8. Exposure Controls/Personal Protection

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering Control Measures:

Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour respirator. Keep containers closed when not in use.

Personal Protective Equipment:

G - OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. Physical and chemical properties

Physical state:	Clear Liquid
Colour:	Colourless
Odour:	Mild
Melting Point (°C)	No information
Boiling Point(°C):	214-217
Relative Density (Water=1):	0.900-0.920
Relative Vapour Density (air=1):	No information
Saturated Vapor Pressure (kpa):	7.98×10 ⁻³ (25°C)
Combustion Heat(KJ/mol):	No information
Critical Temperature (°C):	No information
Critical Pressure (MPa):	No information
Octanol/Water Partition Coefficient:	No information
Flash Point (°C):	96
Autoignition Temperature (°C):	No information
Upper Explosive Limits % (V/V):	No information
Lower Explosive Limits % (V/V):	No information
Solubility:	Miscible with water

Main Application: For organic synthesis

10. Stability and reactivity

Reactivity:

Chemical Stability: Stable under proper operation and storage conditions

Possibility of Hazardous Reactions: No hazardous reactions when used as directed

Storage Conditions: Avoid direct light, high temperature, flame, spark and other sources of combustion.

Incompatible Materials: Incompatible with strong oxidising agents , and strong acids and bases.

Hazardous Decomposition products No hazardous decomposition products will be produced when stored and operated correctly

11. Toxicological information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: No adverse effects expected, however large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Where this material is used at elevated temperatures, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.

Long Term Effects:

No information available for the product.

Toxicological Data:

Acute toxicity : Oral LD50:1620µL/ kg (rat); Dermal LD50:5860µL/ kg (rabbit); LC50: No information

Irritation: Rabbit eyes contact: 100mg, causes eye irritation

12. Ecotoxicological information

Be harmful to the environment, avoid contaminating waterways.

13. Disposal considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.

14. Transport information

UN Number : No information

Packing Label: No need

Packing Method: No information

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



15. Regulatory information

Classification:	Based on available information, not classified as hazardous according to criteria of NOHSC.
Poisons Schedule:	None allocated.

16. Other information

Date of issue: Sep.1st, 2024

Disclaimer

This MSDS summarises to our best knowledge at the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since we cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.