

SECTION 1 Identification

1.1. Product identifier

| | |
|---------------|--------------------------------------|
| Product form | : Substance |
| Trade name | : Poly-Solv® DPnB |
| Chemical name | : Dipropylene Glycol Monobutyl Ether |
| CAS-No. | : 29911-28-2 |
| Formula | : C10H22O3 |

1.2. Other means of identification

| | |
|----------|--|
| Synonyms | : 1-(2-Butoxy-1-methylethoxy)propan-2-ol / Dipropylene glycol butyl ether / Dipropylene glycol monobutyl ether / Glycol ether dpnb / Dipropylene glycol n-butyl ether / Glycol ether DPNB / 1-(2-Butoxy-1-methylethoxy)-2-propanol / Dipropylene glycol mono-n-butyl ether / 1-(1-Methyl-2-butoxy-ethoxy)-2-propanol |
|----------|--|

1.3. Recommended use of the chemical and restrictions on use

| | |
|------------------------------|-----------|
| Use of the substance/mixture | : Solvent |
|------------------------------|-----------|

1.4. Supplier's details

Monument Chemical
2450 Olin Road
Brandenburg, KY, 40108
USA
T (270)422-6860
sds@monumentchemical.com - www.monumentchemical.com

1.5. Emergency phone number

| | |
|------------------|--|
| Emergency number | : 24 HR CHEMTREC: 1-800-424-9300 (International +1 703-741-5970); 24 HR Emergency Assistance: 1-270-422-6860 |
|------------------|--|

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. Label elements

According to the corresponding national regulations there is no labelling obligation for this product.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

2.5. Unknown acute toxicity

No additional information available

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according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

SECTION 3 Composition/information on ingredients

3.1. Substances

| Name | Product identifier | % |
|------------------------------------|---------------------|------------|
| Dipropylene Glycol Monobutyl Ether | CAS-No.: 29911-28-2 | 98.5 – 100 |

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. |
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. |

4.2. Most important symptoms/effects, acute and delayed

| | |
|---|--|
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | : Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | : Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

No additional information available

5.3. Special protective equipment and precautions for fire-fighters

| | |
|--------------------------------|---|
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

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SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.2. Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

See Heading 8. Exposure controls and personal protection.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

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Respiratory protection:

Wear appropriate mask

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

| | |
|---|---|
| Physical state | : Liquid |
| Appearance | : Clear, colorless liquid. |
| Color | : Colorless |
| Odor | : ether-like |
| Odor threshold | : No data available |
| pH | : 7 |
| Melting point | : < -75 °C |
| Freezing point | : No data available |
| Boiling point | : 230 °C at 1,013 hPa |
| Flash point | : 100 °C Method: (SETA) |
| Flammability (solid, gas) | : Non flammable. |
| Vapor pressure | : < 0.04 hPa (20 °C) |
| Relative vapor density at 20°C | : ≈ 6.6 |
| Relative density | : No data available |
| Density | : 0.9128 g/cm ³ (at 19.8 °C) |
| Molecular mass | : 190.27 g/mol |
| Solubility | : Water: 40 - 45 g/l |
| Partition coefficient n-octanol/water (Log Pow) | : 1.523 (25 °C) 1.5 |
| Auto-ignition temperature | : 189 °C (at 1013 hPa) |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 4.85 mm ² /s (25 °C) |
| Viscosity, dynamic | : 4.35 mPa·s (25 °C) |
| Explosion limits | : 0.6 – 20 vol % |
| Particle characteristics | : No data available |

9.2. Data relevant with regard to physical hazard classes (supplemental)

Other properties : Hygroscopic.

SECTION 10 Stability and reactivity

10.1. Reactivity

May form peroxides on exposure to air.

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

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10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|-----------------------------|--------------|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| LC50 Inhalation - Rat [ppm] | 42.1 ppm/4h |
| ATE US (gases) | 42.1 ppmV/4h |

Skin corrosion/irritation : Not classified
pH: 7

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|----|---|
| pH | 7 |
|----|---|

Serious eye damage/irritation : Not classified
pH: 7

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|----|---|
| pH | 7 |
|----|---|

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|----------------------|---------------------------------|
| Viscosity, kinematic | 4.85 mm ² /s (25 °C) |
|----------------------|---------------------------------|

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|----------------------|---------------------------------|
| Viscosity, kinematic | 4.85 mm ² /s (25 °C) |
|----------------------|---------------------------------|

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

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SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|-----------------|--|
| LC50 - Fish [1] | 841 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static]) |
|-----------------|--|

12.2. Persistence and degradability

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|-------------------------------|--------------------|
| Persistence and degradability | Rapidly degradable |
|-------------------------------|--------------------|

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

12.3. Bioaccumulative potential

Dipropylene Glycol Monobutyl Ether (29911-28-2)

| | |
|---|---------------|
| Partition coefficient n-octanol/water (Log Pow) | 1.523 (25 °C) |
|---|---------------|

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Kow) | 1.5 |
|---|-----|

| | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |
|---------------------------|------------------|

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

SECTION 13 Disposal considerations

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecological waste information : Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

14.1. UN number

Not regulated for transport

14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated

Proper Shipping Name (IMDG) : Not regulated

Proper Shipping Name (IATA) : Not regulated

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14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not regulated

IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

14.4. Packing group

Packing group (DOT) : Not regulated

Packing group (IMDG) : Not regulated

Packing group (IATA) : Not regulated

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

Not regulated

IMDG

Not regulated

IATA

Not regulated

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

Dipropylene Glycol Monobutyl Ether (29911-28-2)

Listed on the Canadian DSL (Domestic Substances List)

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EU-Regulations

Dipropylene Glycol Monobutyl Ether (29911-28-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Dipropylene Glycol Monobutyl Ether (29911-28-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

Dipropylene Glycol Monobutyl Ether (29911-28-2)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)

Dipropylene Glycol Monobutyl Ether (29911-28-2)

Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
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Listed on the NCI (Vietnam - National Chemical Inventory)

15.3. State regulations



WARNING:

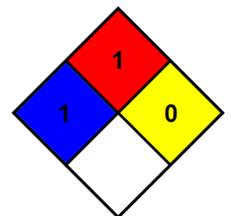
This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

according to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 1/21/2026
Issue date : 1/21/2026
Other information : None.

NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

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| | |
|--------------|---|
| Health | : 1 Slight Hazard - Irritation or minor reversible injury possible |
| Flammability | : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB) |
| Physical | : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives. |

Safety Data Sheet (SDS), USA

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