

SECTION 1: Identification

1.1. Identification

Product form : Substance
 Substance name : Glycol Ether DPNB
 Chemical name : Dipropylene Glycol Monobutyl Ether
 CAS-No. : 29911-28-2

1.2. Recommended use and restrictions on use

Recommended use : Industrial use
 Solvent

1.3. Supplier

ECOLINK

2177 Flintstone Dr.
 Suite A
 Tucker, GA 30084
 770-621-8240(t)
www.ecolink.com

1.4. Emergency telephone number

Emergency number : INFOTRAC 800-535-5053

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Specific target organ toxicity (single exposure) H336 May cause drowsiness or dizziness
 Category 3

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS-US) :

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P271 - Use only outdoors or in a well-ventilated area
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
 P312 - Call a POISON CENTER/doctor if you feel unwell
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed
 P405 - Store locked up
 P501 - Dispose of contents/container to an approved waste disposal plant.

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No additional information available.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Name	Product identifier	%	GHS-US classification
Dipropylene Glycol Butyl Ether (Main constituent)	(CAS-No.) 29911-28-2	99.0	STOT SE 3, H336

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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 first aid measures

- First-aid measures general : Call a poison center/doctor/physician if you feel unwell. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Show this safety data sheet to the doctor in attendance.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. In case of respiratory arrest, administer artificial respiration. Get medical advice/ attention.
- First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Seek medical attention if discomfort persists.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth with lukewarm water. If large quantity is swallowed, give lukewarm water (pint ½ liter) if victim is completely conscious/ alert. Do NOT induce vomiting. Risk of damage to lungs exceeds poisoning risk. If vomiting does occur, have victim lean forward to reduce risk of aspiration. If unconscious, place in recovery position and seek medical advice. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause drowsiness or dizziness.
May be harmful if swallowed and enters airways.
May be harmful if swallowed.
- Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Treatment to overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : SMALL FIRE: Use dry chemicals, CO2, water spray or alcohol-resistant foam.
LARGE FIRE: Use water spray, water fog or alcohol-resistant foam.
Do Not use solid water stream.

5.2. Specific hazards arising from the chemical

- Specific hazards arising from the chemical : Fine spray/ mists may be combustible at temperatures below normal flash point. Heat from fire can generate flammable vapor.
Vapors may be heavier than air. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles.
Move containers from fire area if it can be done without risk. Cool containers with flooding quantities of water until well after fire is out.
Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank.
Always stay away from tanks engulfed in fire.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Emergency procedures : Use personal protective equipment. Ensure adequate ventilation. Eliminate all sources of ignition. Evacuate personnel to safe areas. Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

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Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : For industrial use only. Keep container tightly closed when not in use. The potential for peroxide formation is enhanced when this solvent is used in processes such as distillation. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Consult local authorities for acceptable exposure limits.

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Both local exhaust and general room ventilation are usually required.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear chemical resistant gloves such as : Neoprene

Eye protection:

Eye protection such as chemical splash goggles and/ or face shield must be worn when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor.

Skin and body protection:

Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Skin should be washed after contact.

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Color : Clear, colorless
Odor : Ether-like odor
Odor threshold : No data available

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pH	: 7
Melting point/ Freezing point	: < -75 °C (1013 hPa)
Boiling point	: 230 °C (1013 hPa)
Flash point	: ~100 °C (1013 hPa) (760 mmHg) Method: SETA
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability limits	: LEL: 0.6 vol% UEL: 20 vol%
Vapor pressure	: <0.04 hPa (20 °C)
Relative vapor density	: ~6.6 (Air = 1.0 at 15 – 20 °C)
Relative density	: No data available
Specific gravity / density	: 0.91 g/cm ³
Solubility	: Soluble (Water)
Log Pow	: No data available
Ignition temperature	: 194 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: 4.85 mm ² /s (25 °C)
Viscosity, dynamic	: 4.35 mPa.s (25 °C)
Explosion limits	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: Not considered an oxidizing agent.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

May react with oxygen to form peroxides.

10.2. Chemical stability

Stable under recommended storage conditions. occur

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Extended contact with air or oxygen.

The potential for peroxide formation is enhanced when this solvent is used in processes such as distillation.

Heat, sparks, open flame, other ignition sources, and oxidizing conditions.

Ignition may occur at temperatures below those published in the literature as autoignition or ignition temperatures.

10.5. Incompatible materials

Air or oxygen. Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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

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LD50 oral rat	2000 mg/kg
LD50 dermal rat	2000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: May cause drowsiness or dizziness.
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 4.85 mm ² /s
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

Transportation of Dangerous Goods

Transport by sea

Air transport

SECTION 15: Regulatory information

15.1. US Federal regulations

Glycol Ether DPNB (29911-28-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure)
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All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 06/06/2018

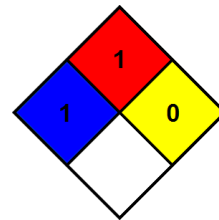
Full text of H-phrases:

H336	May cause drowsiness or dizziness
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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

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.

SDS US (GHS HazCom 2012)

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