CAS No. 29911-28-2

Product

Specifications



Glycol Ether DPNB is a colorless liquid with a mild odor and low volatility. It has low water solubility, **Description** good coupling and demonstrates good solvency for coating resins. The properties of DPNB support its use in agricultural, coating, cleaning, ink, textile, and adhesive products.

Product Identification	Chemical Name	Normal Butoxy Propoxy Propanol Dipropylene Glycol Normal Butyl Ether
	Chemical Family Chemical Formula	Propylene Glycol Ether $C_{10}H_{22}O_3$

Test Method Property Specifications Specific Gravity 0.908-0.915 @25°C **ASTM D-891** Distillation @ 760mm Hg IBP, min. 215°C ASTM D 1078; DP, max E-202 240°C Acidity, wt. % as ASTM E-202 0.011 USP XXI Acetic acid, max. Water, ASTM E-202; 0.2 Wt. % max. E-203 Color. ASTM E-202; 20 APHA, max D-1209 GC Purity, wt.%, 98.5 min.

For the most current product specification, please call 1-888-777-0232 or your local sales contact.

Typical Properties	 Density (pounds per gallon at 25°C) 	7.6
	 Evaporation Rate (BuAc = 100) 	1.0
	 Flash Point (SETA) °C (°F) 	101 (214)
	 Solubility by weight in water at 20°C 	5%
	Solubility Parameter (Total Hansen)	9.4
	 Surface Tension (Dynes/cm) @ 25°C (77°F) 	29
	 Refractive Index @ 25°C (77°F) 	42
	 Viscosity (centistokes) @ 25°C (77°F) 	4.8
	 Vapor Pressure@ 25°C (77°F) (mmHg) 	0.03
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Applications

Coatings: Glycol Ether DPNB shows excellent coalescing performance in various resins including Acrylics, Styrene-Acrylics and Polyvinyl Acetates. It also offers superior film forming characteristics. These features, coupled with mild odor, make Glycol Ether DPNB a preferred solvent for interior water-based paints.

Cleaners: Glycol Ether DPNB has a mild odor and can be used in a variety of cleaners. It is particularly suited for use in cleaner formulations which require a slow evaporation rate, such as wax strippers and floor cleaners. Glycol Ether DPNB is an effective coupling agent for many greases and oils. It has low water solubility which is increased by the addition of low molecular weight alcohols and other propylene glycol ethers.

Dipropylene Glycol (Mono) Methyl Ether

DPNB Solvent CAS No. 29911-28-2



	Other Applications: The properties listed in the previous section also support the use of <i>Glycol Ether</i> DPNB in agriculture, cosmetics, electronics, ink, textile and adhesive products. Specific end user may require approval by appropriate regulatory agencies.
Storage	General industry practice is to store <i>Glycol</i> ethers in carbon steel vessels. Avoid contact with air when storing for long periods of time. Glycol ethers should never be stored or handled in copper or copper alloys. This product may absorb water if exposed to air.
	Store only in tightly closed, properly vented containers away from heat, sparks, open flame or strong oxidizing agents. Use only non-sparking tools. Ground containers before transfer. Electrical equipment should conform to national electric code.
Safety and Handling	Unnecessary exposure or spillage should be strictly avoided as a matter of good practice. Refer to the Material Safety Data Sheet for <i>Glycol Ether</i> DPNB for more specific information. Refer to material Safety Data Sheet for more information.
Toxicological Evaluation	<i>Glycol Ether</i> DPNB has a low degree of toxicity following acute oral or dermal exposure. It is slightly irritating to eyes, and only mild skin irritation is expected with repeated dermal exposures.
Regulatory Status	Please refer to the Safety Data Sheet (MSDS) for additional information.
	<i>Glycol Ether</i> DPNB, like all other propylene glycol ethers, is not included under the category glycol ethers as defined under the Clean Air Act Amendments of 1990.
	It is not subject to the reporting requirements of CERCLA or the reporting requirements established by SARA Title III, section 313 and 40CFR372.
	<i>Glycol Ether</i> DPNB is listed on the following: U.S., TSCA, EEC EINECS, Canadian DSL, Australian and Japanese inventories. Based upon the information currently available this product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.
Material Compatibility Guidelines	Stainless steel is recommended for valves, pumps and filters. <i>Teflon</i> is suitable for gaskets. Information from material suppliers and specific considerations of contact should be considered in the selection of suitable materials.

Dipropylene Glycol (Mono) Methyl Ether DPNB Solvent

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Users should review the applicable Safety Data Sheet before handling the product.

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