

# Safety Data Sheet

Glycol Ether PNB

## SECTION I - IDENTIFICATION



Transchem, Inc.  
2141 Palomar Airport Rd. Suite 125  
Carlsbad, CA 92011  
(800) 783-2436  
Chemtel Emergency Response :. (800) 255-3924

PRODUCT NUMBER: ..... PNB  
PRODUCT NAME: ..... Glycol Ether PNB  
CHEMICAL FAMILY: ..... Solvent  
CAS NUMBER: ..... 5131-66-8  
DATE PREPARED: ..... 4/27/2015  
REVISION NUMBER: ..... 4/24/2015

## SECTION II - HAZARDOUS IDENTIFICATION

### GHS CLASSIFICATION:

#### Classification

Flammable Liquids	Category 3
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B

### WARNING!

#### GHS LABEL:



#### Hazard Statements

H226	Flammable liquid and vapor
H315	Causes skin irritation
H320	Causes eye irritation

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### Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surface - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment, etc.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+352	IF ON SKIN: Wash with soap and water.
P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so - continue rinsing.
P332+313	If skin irritation occurs: get medical advice/attention.
P337+313	If eye irritation persists get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
P403+235	Store in a well ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.

### SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
2-Propanol-1-Butoxy	5131-66-8	>92	Not Established*	Not Established*
1-Propanol-2-Butoxy	15821-83-7	<8	Not Established*	Not Established*

### SECTION IV - FIRST AID MEASURES

**Contact with eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

**Skin contact:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

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**Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention if symptoms persist.

**Ingestion:** If swallowed. Seek immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel or a poison control center.  
Give large quantities of water. Never give anything by mouth to an unconscious person.

#### SECTION V - FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, dry chemical.

**Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

**Unusual Fire Fighting Hazards:** Do not use solid water stream/may spread fire.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Handle in accordance with good industrial hygiene and safety practice. Extinguish sources of ignition nearby and downwind.

**Environmental Precautions:** Do not discharge into drains/surface waters/groundwater This product is regulated by RCRA

**Methods for Cleaning Up:** Use foam on spills to minimize vapors. Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.  
Absorb spills with the use of a solid absorber (e.g. dry sand, diatomaceous earth).

#### SECTION VII - HANDLING AND STORAGE

**Handling and Storage:**

- Keep container tightly closed and in a well-ventilated place. Keep away from heat, sparks, and open flame.

#### SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

##### EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
2-Propanol-1-Butoxy	5131-66-8	Not Established*	Not Established*
1-Propanol-2-Butoxy	15821-83-7	Not Established*	Not Established*

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low. Ensure that eyewash stations and safety showers are close to the workstation location

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**Monitoring:** Observe good industrial hygiene practices.

#### Personal Protective Equipment (PPE)

**Eye Protection:** Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.

**Skin Protection:** Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.

**Respiratory Protection:** Follow the OSHA respirator regulations found in 29 CFR 1910.134

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid, colorless
<b>Odor</b>	Mild
<b>pH@25°C</b>	No data available
<b>Melting/Freezing Point</b>	-85 °C (-121 °F)
<b>Flashpoint</b>	62 °C (143.6 °F)
<b>Specific Gravity</b>	0.880
<b>Solubility</b>	6% @ 20°
<b>Auto-Ignition Temperature</b>	260 °C (500 °F)
<b>Decomposition Temperature</b>	No data available
<b>VOC Content</b>	
<b>Odor Threshold</b>	No data available
<b>Boiling Range</b>	170 °C (338 °F) @ 760 mm Hg
<b>Evaporation Point</b>	0.07 (butyl acetate = 1)
<b>Flammable Limits - Upper</b>	1.1% vol
<b>Flammable Limits - Lower</b>	8.4% vol
<b>Vapor Pressure</b>	~ 0.6 mm Hg @ 20 °C (68 °F)
<b>Vapor Density (Air=1)</b>	~ 4.6 @ 15.5 - 32.2 °C (59.9 - 89.96 °F)(Air = 1.0)
<b>Viscosity</b>	3.5 centistokes @ 25(77° )

#### SECTION X - STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** Extreme heat and ignition sources.

**Hazardous Decomposition/Byproducts:** None known

**Hazardous Polymerization:** Has not been reported

**Polymerization Conditions to Avoid:** None

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### SECTION XI - TOXICOLOGICAL INFORMATION

**Likely Route of Exposure:** Contact and inhalation; ingestion possible.

**Inhalation:** This substance is considered nontoxic by the inhalation route. May be irritating to the eyes. Exposure to very high concentrations of aerosols has not been investigated due to the low vapor pressure of the substance.

**Eye Contact:** This material can cause significant eye irritation.

**Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

May produce CNS depression.

**Toxicity:**

Component Name	LD50	LC50
2-Propanol-1-Butoxy	Not Established	Not Established
1-Propanol-2-Butoxy	Oral - rat - 2,700 mg/kg; Dermal - rat - > 2,000 mg/kg	Inhalation - rat - 4H/> 651 ppm

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable

### SECTION XII - ECOLOGICAL INFORMATION

**Ecotoxicity:** Information not available.

**Mobility:** Potential for mobility in soil is very high (Koc between 0 and 50). Partition coefficient(Koc): 5 - 6 Estimated.

**Degradability:** Readily biodegradable

**BioAccumulation:** Accumulation in organisms is not to be expected.

### SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

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## SECTION XIV - TRANSPORT INFORMATION

### DOT SHIPPING INFORMATION

**Proper Shipping Name:** Flammable liquids, n.o.s.  
**Contains:** Propylene Glycol n-Butyl Ether  
**Hazard Class and Label:** 3  
**Identification Number:** UN1993  
**Packaging Group:** III

\*According to CFR 173.150 - Glycol Ether PnB is Not classified as a Hazardous substance in containers less than 119 Gallons.

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:**..... The components of this product are listed on the TSCA Inventory

### SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

### SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X	X		

### SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

### CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

## SECTION XVI - OTHER INFORMATION

**HMIS Health:** ..... 2  
**HMIS Flammability:** ..... 2  
**HMIS Reactivity:** ..... 0

**Additional:**

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### Specification Information

**Department issuing data sheet:** Compliance

**Email address:** [compliance@transcheminc.com](mailto:compliance@transcheminc.com)

**Training necessary:** Follow all Federal, State and local regulations.

### Disclaimer:

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