

Safety Data Sheet  
Glycol Ether EB

SECTION I - IDENTIFICATION



Transchem, Inc.  
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(800) 783-2436  
Chemtel Emergency Response :. (800) 255-3924

PRODUCT NUMBER: ..... EB  
PRODUCT NAME: ..... Glycol Ether EB  
CHEMICAL FAMILY: .....  
CAS NUMBER: ..... 111-76-2  
DATE PREPARED: ..... 3/4/1997  
REVISION NUMBER: ..... 5/29/2014

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids	Category 4
Acute Toxicity, Oral	Category 4
Aspiration Hazard	Category 1
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A

**DANGER!**

GHS LABEL:



Hazard Statements

H227	Combustible liquid
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation

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### Precautionary Statements

P210	Keep away from heat/sparks/open flames/hot surface - No smoking.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352	IF ON SKIN: Wash with soap and water.
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.
P330	Rinse mouth.
P331	Do NOT induce vomiting.
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.
P405	Store locked up.
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-Butoxyethanol	111-76-2	100%	50 ppm	20 ppm

### **SECTION IV - FIRST AID MEASURES**

**Contact with eyes:** Flush with water for 15 minutes. Seek immediate medical attention.

**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.

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

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**Ingestion:** Do not induce vomiting unless told to do so by medical personnel or a poison control center.

#### 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:** Vapors may travel considerable distances to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Keep all sources of ignition and hot metal surfaces away from spill or release.

Evacuate all unprotected personnel from the area.

**Environmental Precautions:** Prevent liquid from entering drains, sewers, waterways, ground and surface water or soil.

Contain spill if it can be done with minimal risk.

Notify proper authorities.

**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.

#### SECTION VII - HANDLING AND STORAGE

- Handling and Storage:**
- Vent container carefully before opening.
  - "Empty" containers retain residue and/or vapor and may be dangerous. Do not cut, weld, braze solder, drill, grind or expose such containers to heat, flames, sparks, or other ignition sources.
  - Keep containers tightly closed when not in use.
  - Avoid prolonged breathing of mist or vapor. Wash thoroughly after handling.
  - NFPA Class III A storage.

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

##### EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
2-Butoxyethanol	111-76-2	50 ppm	20 ppm

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**Engineering Controls:** Adequate local or mechanical ventilation to reduce vapor or mist to below the PEL or TLV.

**Monitoring:** Follow accepted work practices for handling a flammable material.  
Do not eat, drink or smoke in areas where this chemical is used or stored.  
Wash hands prior to eating, drinking or using the restroom.  
Have eye wash stations and safety showers readily available.

#### 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:** Information not available.

#### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear, Colorless Liquid
<b>Odor</b>	Ether Odor
<b>pH@25°C</b>	-
<b>Melting/Freezing Point</b>	-
<b>Flashpoint</b>	152°F, Minimum, (TCC)
<b>Specific Gravity</b>	0.9
<b>Solubility</b>	Complete
<b>Auto-Ignition Temperature</b>	-
<b>Decomposition Temperature</b>	-
<b>VOC Content</b>	100% (7.50#/gal)
<b>Odor Threshold</b>	-
<b>Boiling Range</b>	347°F
<b>Evaporation Point</b>	0.1 (Butyl Acetate =1)
<b>Flammable Limits - Upper</b>	12.7%
<b>Flammable Limits - Lower</b>	1.1%
<b>Vapor Pressure</b>	0.6 mmHg @ 20°C
<b>Vapor Density (Air=1)</b>	4.1 (Air=1)
<b>Viscosity</b>	-

#### SECTION X - STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None

**Hazardous Decomposition/Byproducts:** CO, CO<sub>2</sub>, and noxious smoke under extreme fire conditions

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**Hazardous Polymerization:** Will not occur.

**Polymerization Conditions to Avoid:** None

#### SECTION XI - TOXICOLOGICAL INFORMATION

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

**Inhalation:** May cause irritation to the upper respiratory tract and CNS depression. Low to moderate degree of toxicity by inhalation.

**Eye Contact:** Causes eye irritation including stinging, watering and redness which may result in corneal injury.

**Skin Contact:** Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin.  
Repeated or prolonged contact with large amounts of this material may result in absorption through the skin to produce toxic effects.

**Ingestion:** Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.  
Low degree of toxicity by ingestion.

#### Toxicity:

Component Name	LD50	LC50
2-Butoxyethanol	Oral - Rat - 470 mg/kg; Dermal - Rabbit - 220 mg/kg;	Inhalation - Rat - 4 h - 450 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:** Information not available.

**Degradability:** Information not available.

**BioAccumulation:** Information not available.

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### SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations.

### SECTION XIV - TRANSPORT INFORMATION

#### DOT SHIPPING INFORMATION

**Proper Shipping Name:** Combustible Liquid, N.O.S.  
**Contains:** Glycol Ether EB  
**Hazard Class and Label:** 3  
**Identification Number:** NA 1993  
**Packaging Group:** III

IMDG - International Maritime Dangerous Goods Code  
Class not regulated  
Possible Shipping Description(s):  
not regulated

**\*According to CFR 173.150 - Glycol Ether EB 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:

Component Name	CAS #	% by wt.	RQ (lbs.)
2-Butoxyethanol	111-76-2	100%	5,000

### 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

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

#### Disclaimer:

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