

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Trade name: Glycol Ether EB  
Brand: DIYChemicals, Chemboys

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Industrial or Commercial Use only.  
Uses advised against: All other uses.

### 1.3 Details of the supplier of the Safety Data Sheet

Chemboys LLC  
212 Industrial Place,  
Liberty, TX 77575,  
USA

Phone: (855) 243-6722  
E-mail: info@chemboys.com

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

**Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.**

Flammable liquid, category 4  
Acute toxicity (oral), category 4  
Skin irritation, category 2  
Eye irritation, category 2  
Acute toxicity (inhalation), category 4

### 2.2 Label elements

**Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:**



**Signal word:** Warning

#### Hazard statements:

H227	Combustible liquid.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

#### Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

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.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P330 Rinse mouth.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### 2.3 Other hazards

None known.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

### Ingredients:

Name	CAS No.	GHS classification	% (w/v)
2-butoxyethanol	111-76-2	Flamm. Liq. 4, H227 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332	>99

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

- Following inhalation:** Call a physician or poison control center immediately. Move to fresh air. If unconscious place in recovery position and seek medical advice.
- Following skin contact:** If skin problems occur, discontinue use. If symptoms persist, call a physician.
- Following eye contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Following ingestion:** Clean mouth with water and afterwards drink plenty of water.

**Protection of first aider:** Not applicable.

#### 4.2 Most important symptoms and effects

**Symptoms:** The known symptoms and effects are described in section 2.2 of this SDS.

**Risks:** Untreated symptoms may result in additional health risks.

#### 4.3 Indication of any immediate medical and special treatment

The physician may contact the national poison centre for advice.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

**Unsuitable extinguishing media:** No data available.

#### 5.2 Specific hazards arising from mixture

The release of the following substances is possible in a fire: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke) Nitrous oxides. May form explosive mixtures with air.

#### 5.3 Advice for fire fighters

**Special protective equipment for firefighters:**

As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

#### 5.4 Other information

No other information available.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 NOTES FOR NON-EMERGENCY PERSONNEL:** Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Use personal protective equipment. Ensure adequate ventilation. Eliminate all sources of ignition.

**6.2 ENVIRONMENTAL PRECAUTIONS:** Do not allow contact with soil, surface or ground water. Do not discharge product into the aquatic environment without pretreatment (biological treatment plant). Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**Notes for those trained to participate in an emergency:**

**6.3 ACCIDENTAL RELEASE MEASURES:** Eliminate all sources of ignition. All equipment used when handling this product must be grounded. 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. Use clean non-sparking tools to collect absorbed material.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Containers, even those that have been emptied, will retain product residue and vapor and should be handled as if they were full. Do not eat, drink or smoke in areas where this material is used. After handling, always wash hands thoroughly with soap and water. Do not handle near heat, sparks, or flame. Avoid contact with incompatible agents. Use only with adequate ventilation/personal protection. Avoid contact with eyes, skin and clothing. Do not enter storage area unless adequately ventilated. Metal containers involved in the transfer of this material should be grounded and bonded.

### 7.2 Conditions for safe storage, including any incompatibilities

**Storage Conditions:** Keep out of the reach of children. No smoking. Keep away from open flames, hot surfaces and sources of ignition. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

**Incompatible materials:** See section 10.

### 7.3 Specific end uses

See section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No data available.

### 8.2 Exposure controls

#### Engineering controls:

Ensure that eyewash stations and safety showers are close to the workstation location. Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal Protective equipment:

Hand: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Body protection: Appropriate protective clothing should be worn to prevent skin contact.

Eye: Wear safety glasses as minimum eye protection. Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice. Use protective eye and face devices that comply with ANSI Z87.1-1987.

Respiratory: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Other measures: No statement available.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Mild
<b>Odor threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/range:</b>	No data available
<b>Boiling point/range:</b>	No data available
<b>Flash point:</b>	70 °C
<b>Evaporation rate:</b>	No data available
<b>Flammability:</b>	No data available
<b>Upper/lower flammability or explosive limits:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	No data available
<b>Solubility(ies):</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	230 - 245 °C
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Explosive properties:</b>	No data available
<b>Oxidizing properties:</b>	No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

May form peroxides in the presence of air.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

None known.

### 10.4 Conditions to avoid

Heat, flames and sparks.

### 10.5 Incompatible materials

Oxidizing agents, Acids, Bases, Amines, Ammonia, Acid chlorides.

### 10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and unburned hydrocarbons. No other data available.

## SECTION 11: TOXICOLOGICAL INFORMATION

**General information:**

This product does not contain known human carcinogens.

**11.1 Information on toxicological effects**

**Acute Toxicity:**

Harmful if inhaled.

Harmful if swallowed.

**Skin corrosion/irritation:**

Causes skin irritation.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory or skin sensitization:**

No statements available for any of the ingredients.

**Germ cell mutagenicity:**

No statements available for any of the ingredients.

**Carcinogenicity:**

This product does not contain known human carcinogens.

**Reproductive toxicity:**

No statements available for any of the ingredients.

**STOT – single exposure:**

No statements available for any of the ingredients.

**STOT – repeated exposure:**

No statements available for any of the ingredients.

**Aspiration hazard:**

No statements available for any of the ingredients.

**Likely route(s) of exposure:**

Skin exposure and eye exposure are the most likely to occur. Accidental ingestion is also possible.

## SECTION 12: ECOLOGICAL INFORMATION

**General information:**

No statements available for any of the ingredients

**12.1 Toxicity**

No statements available for any of the ingredients.

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## 12.2 Persistence and degradability

### Physical- and photochemical elimination:

No statements available for any of the ingredients.

### Biodegradation:

90.4 % Rapidly degradable. (After 28 days in a ready biodegradability test).

## 12.3 Bioaccumulative potential

Bioconcentration factor (BCF): 3.16 Method: (QSAR calculated value) This material is not expected to bioaccumulate.

## 12.4 Mobility in soil

### Known/Predicted environmental distribution:

Stability in water. Not expected to hydrolyze readily. Contains no functional groups considered likely to be hydrolyzed in water.

### Surface tension:

No statements available for any of the ingredients.

### Adsorption/Desorption:

No statements available for any of the ingredients.

## 12.5 Results of PBT and vPvB assessment

This product does not contain components which are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

No statements available for any of the ingredients.

# SECTION 13: DISPOSAL CONSIDERATIONS

## 13.1 Waste treatment methods

### Product:

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

### Waste material:

Dispose according to Federal, State, Provincial and Local regulations.

# SECTION 14: TRANSPORT INFORMATION

## 14.1 UN number

ADR/RID/IDMG/IATA: UN 1993

## 14.2 UN proper shipping name

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ADR/RID/IDMG/IATA: Combustible liquid, n.o.s (ETHYLENE GLYCOL MONOBUTYL ETHER)

**14.3 Transport hazard class(es)**

ADR/RID/IDMG/IATA: 3

**14.4 Packing group**

ADR/RID/IDMG/IATA: III

**14.5 Environmental hazards**

ADR/RID/IDMG/IATA: Non-regulated

**14.6 Special precautions for user**

No statements available.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable, as product is not shipped in bulk.

<b>SECTION 15: REGULATORY INFORMATION</b>
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**International Inventories**

TSCA: Complies

DSL: All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List.

**US Federal Regulations**

**SARA 313:** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute health hazard: Yes

Chronic Health Hazard: Yes

Fire hazard: Yes

Sudden release of pressure hazard: No

Reactive Hazard: No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**Canada**



**WHMIS Hazard Class**  
Not determined.

<b>SECTION 16: OTHER INFORMATION</b>
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**Further information**

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality.