

Section 1. Product and Company Identification

Product Name Glycol Ether EB
CAS Number 111-76-2

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification

Flammable Liquids: Category 4

Acute Toxicity, Oral: Category 4

Skin Corrosion/Irritation: Category 2

Serious Eye Damage/Eye Irritation: Category 2A

Specific target organ toxicity, single exposure, N: Category 3

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H227 Combustible liquid

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H336 May cause dizziness or drowsiness

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... thoroughly after handling.



P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated are.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of water/...
P304+340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
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.
P312 Call a POISON CENTER or a doctor/physician if you feel unwell.
P321 Specific treatment (see ... on this label).
P330 Rinse mouth.
P332+313 If skin irritation occurs: get medical advice/attention.
P337+313 If eye irritation persists get medical advice/attention.
P362+364 Take off immediately all contaminated clothing and wash it before reuse.
P370+378 In case of fire: Use..... to extinguish.
P403 Store in a well ventilated place.
P403+233 Store in a well ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container to...

Section 3. Composition / Information on Ingredients

Common Name Glycol Ether EB
CAS Number 111-76-2

COMPONENT	CAS NUMBER	CONCENTRATION
2-Butoxyethanol	111-76-2	100%

Section 4. 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.

Ingestion: Induce vomiting.

Section 5. Firefighting Measures

Suitable Extinguishing Media: Water fog, foam, CO₂, dry chemical.

Special Firefighting 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 Firefighting 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 6. 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 or waterways. 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 7. 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 8. Exposure Controls / Personal Protection

Exposure Limits

2-Butoxyethanol (CAS# 111-76-2)

OSHA PEL: 50 ppm

ACGIH TLV: 20 ppm

Engineering Controls: Adequate local or mechanical 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.



Section 9. Physical and Chemical Properties

Appearance: Clear, Colorless Liquid
pH (25°C): -
Melting/Freezing Point: -
Solubility: Complete
Odor: Ether Odor
Flash Point: 143°F, Minimum, (TCC)
Specific Gravity: 0.9
Auto-Ignition Temperature: -
Decomposition Temperature: -
VOC Content: 100% (7.50#/gal)
Odor Threshold: -
Boiling Range: 347°F
Evaporation Point: 0.1 (Butyl Acetate =1)
Flammable Limits - Upper: 12.7%
Flammable Limits - Lower: 1.1%
Vapor Pressure: 0.6 mmHg @ 20°C
Viscosity: -
Vapor Density (Air=1): 4.1 (Air=1)

Section 10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: None
Hazardous Decomposition/Byproducts: CO, CO₂, and noxious smoke under extreme fire conditions
Hazardous Polymerization: Will not occur
Polymerization Conditions to Avoid: None
Incompatibilities: Strong acids and bases, strong oxidizers

Section 11. 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: Not applicable

Teratogenicity: Not applicable

Mutagenicity: Not applicable

Embryotoxicity: Not applicable

Sensitization to Product: Not applicable

Synergistic Products: Not applicable

Section 12. Ecological Information

Ecotoxicity: Information not available

Mobility: Information not available

Degradability: Information not available

Bioaccumulation: Information not available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT SHIPPING INFORMATION

Proper Shipping Name: Combustible Liquid, N.O.S.

Contains: Glycol Ether EB

Hazard Class and Label: Combustible (only in bulk)

Identification Number: NA 1993

Packaging Group: III

Other Shipping Info: Not regulated in containers less than 119 gallons

Section 15. 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

California Proposition 65: No chemicals in this material are subject to the reporting requirements.

HMIS Rating

Health: 2

Flammability: 2

Reactivity: 0

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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