



Silver Fern Chemical, Inc.
Safety Data Sheet
Glycol Ether EB Acetate

Revision Date: 06/20/2025

Section 1. Identification

Product identifier

Product Identity Glycol Ether EB Acetate
Other means of identification 2-Butoxyethanol acetate; Butyl glycol acetate (BGA); Ethylene glycol monobutyl ether Acetate; Ethylene glycol butyl ether acetate

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

Main use category : Industrial use, Professional use

Use of the substance/mixture : Manufacture, Distribution, Formulation, Coating

Details of the supplier of the safety data sheet

Company Name Silver Fern Chemical, Inc.
121 W. De La Guerra Street, Suite B
Santa Barbara, CA 93101 USA
Customer Service: 1-866-282-3384 /
info@silverfernchemical.com
Website - www.silverfernchemical.com

Emergency
24 hour Emergency Emergency telephone number
Telephone No. Infotrac: 1-800-535-5053; Outside USA & Canada +1-352-323-3500

Customer Service:

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Flammable Liquid 4;H227

Acute toxicity(dermal), category 4;H312

Acute toxicity(inhalation), category 4;H332

Combustible Liquid.

Harmful in contact with skin.

Harmful if inhaled.



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Label elements



Warning

H227 Combustible liquid.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

[Prevention]

P210 Keep away from heat, sparks, open flames, and other ignition sources - No smoking.

P261 Avoid breathing dust, fume, gas, mist, vapors, spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, eye protection, and face protection.

[Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER, doctor or physician if you feel unwell.

P362+364 Take off contaminated clothing and wash it before reuse.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

[Storage]

P403+235 Store in a well-ventilated place. Keep cool.

[Disposal]

P501 Dispose of contents or container in accordance with local and national



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regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.

Does not contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the Organisation for Economic Co-operation and Development (OECD) list of Per- and Polyfluoroalkyl Substances (PFASs).

Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Ethylene glycol monobutyl ether acetate CAS Number: 112-07-2 Synonyms: 2-Butoxyethyl acetate, Ethanol, 2-butoxy-, acetate	≥ 99%	Acute toxicity(inhalation), category 4;H332 Acute toxicity(dermal), category 4;H312	No data available

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

Eyes Rinse with plenty of clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

Skin Remove contaminated clothing. Wash skin thoroughly with soap and water



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or use a recognized skin cleanser.

Ingestion If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

Overview No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically. See section 2 for further details.

Inhalation Harmful if inhaled.

Skin Harmful in contact with skin.

<p>Section 5. Fire-fighting measures</p>

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: Combustible. Heating will cause a rise in pressure with a risk of bursting. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors. Can form explosive mixture with air. Keep away from heat, sparks, open flames, and other ignition sources - No smoking. Avoid breathing dust, fume, gas, mist, vapors, spray.

Advice for fire-fighters

As with all fires, evacuate area, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

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Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Evacuate unnecessary personnel. Keep upwind. provide adequate ventilation. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Wear recommended personal protective equipment. Concerning personal protective equipment to use, see section 8. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ensure equipment is adequately earthed. Use explosion-proof equipment. Use only non-sparking tools.

For emergency responders: Ensure procedures and training for emergency decontamination and disposal are in place. Reference to other sections 8. Concerning personal protective equipment to use, see section 8.

Environmental precautions

Do not allow to enter surface water or drains. Site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases. Notify authorities if product enters sewers or public waters.

Methods and material for containment and cleaning up

Stop leak if safe to do so. Dam up the liquid spill. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Recover large spills by pumping (use an explosion proof or hand pump). Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). This material and its container must be disposed of in a safe way, and as per local legislation.

Section 7. Handling and storage

Precautions for safe handling

Provide adequate ventilation. Do not breathe vapors. Avoid contact with skin, eyes and clothing. Use personal protective equipment as required. Concerning personal protective equipment to use, see section 8. Take any precaution to avoid mixing with Incompatible materials, Refer to Section 10 on Incompatible Materials. Ensure proper process control to avoid excess waste discharge (temperature, concentration, pH, time). Avoid release to the environment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving



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equipment. Use explosion-proof equipment. Use only non-sparking tools.

Hygiene measures: Keep good industrial hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Keep away from food, drink and animal feeding stuffs. Remove contaminated clothes. Separate working clothes from town clothes. Launder separately. Wash contaminated clothing before reuse.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool and well-ventilated place. Do not store near or with any of the incompatible materials listed in section 10. Bund storage facilities to prevent soil and water pollution in the event of spillage.

Incompatible materials: Strong oxidizing agents. Strong acids.

Heat and ignition sources: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Special rules on packaging: Keep in properly labelled containers. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Packaging materials: Keep only in the original container. Suitable material: Steel. Stainless steel. Polypropylene. Glass. Tin. Unsuitable material: Do not use containers made of copper.

Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
112-07-2	Ethylene glycol monobutyl ether acetate	OSHA	No Established Limit
		ACGIH	20 ppm
		NIOSH	TWA 5 ppm (33 mg/m ³)

Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Protective safety glasses recommended

Skin Avoid skin contact. Protective gloves recommended.

Engineering Provide adequate ventilation. Where reasonably practicable this should



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Controls be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties
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Information on basic physical and chemical properties

Physical State	Liquid
Color	Clear, Colorless
Odor	Fruity, pleasant
Odor threshold	0.1 – 0.5 ppm 0.67 – 3.33 mg/m ³
Melting point / freezing point	-64 °C (1013 hPa)
Initial boiling point and boiling range	192 °C
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	78 °C
Auto-ignition temperature	280 °C (Weight of evidence)
Decomposition temperature	No available information
pH	No available information
Kinematic viscosity	1.91 mm ² /s (20 °C)
Solubility in Water	Immiscible in water
Partition coefficient n-octanol/water (Log Kow)	1.51 (20°C)
Vapor pressure (Pa)	50 Pa (20°C)



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Relative Density	0.942 g/cm ³ (20°C)
Vapor Density	No available information
Relative Density	
Evaporation rate (Ether = 1)	No available information
Oxidizing properties	Not applicable. The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with oxidizing properties.
Explosive properties	Not applicable. The study does not need to be conducted because there are no chemical groups associated with explosive properties present in the molecule.
Density	0.942 g/cm ³ (20°C)
Dynamic viscosity	1.81 mPa·s (20°C)
Other information	
Explosion limits	0.5 – 8.54 vol %
Relative evaporation rate (butylacetate=1)	0.04

Section 10. Stability and reactivity

Reactivity

Combustible.

Chemical stability

Unstable on exposure to air. Stable under normal conditions.

Possibility of hazardous reactions

Strong oxidizing agents. Risk of violent reaction. Reacts with air to form peroxides.

Vapors may form explosive mixture with air.

Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. See Section 7 for information on safe handling.

Incompatible materials

Strong oxidizing agents. Strong acids. See Section 7 for information on safe handling.

Hazardous decomposition products

Carbon oxides. Reference to other sections 7.

Section 11. Toxicological information

Acute toxicity



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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Ethylene glycol monobutyl ether acetate - (112-07-2)	2,400.00, Rat - Category: 5	1,500.00, Rabbit - Category: 4	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
112-07-2	Ethylene glycol monobutyl ether acetate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	A3

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	4	Harmful in contact with skin.
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry:No available information

Symptoms and effects, both acute and delayed:

No specific symptom data available.

No chronic toxicity or long term toxicity information available. Treat symptomatically.

Skin Harmful in contact with skin.



Section 12. Ecological information

Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Ethylene glycol monobutyl ether acetate - (112-07-2)	22.00, Fish	303.00, Daphnia magna	501.00, Algae

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations

Waste treatment methods

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

Remarks: Combustible liquid, Packing group III for quantities of 450 liters (119 gallons) or more; Not regulated for smaller quantities in containers less than 450 liters (119 gallons)



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	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable

Environmental hazards

IMDG Marine Pollutant: No;
Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0000112-07-2	Ethylene glycol monobutyl ether acetate	Yes		ACTIVE

The following flags are used:

- Active - indicates commercial status designation of active
- E - indicates a substance that is the subject of a Section 5(e) Consent Order under TSCA.
- F - indicates a substance that is the subject of a Section 5(f) Rule under TSCA.
- N - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical



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initiator regardless of the amount used.

- P - indicates a commenced Premanufacture Notice (PMN) substance.
- R - indicates a substance that is the subject of a Section 6 risk management rule under TSCA.
- S - indicates a substance that is identified in a final Significant New Uses Rule.
- SP - indicates a substance that is identified in a proposed Significant New Uses Rule.
- T - indicates a substance that is the subject of a final Section 4 test rule under TSCA.
- UVCB Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials
- XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
- Y1 - indicates a polymer that has a number-average molecular weight greater than 1,000 and that was exempt under the 1984 polymer exemption rule.
- Y2 - indicates a polymer that is a polyester and that was exempt under the 1984 polymer exemption rule.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Ethylene glycol monobutyl ether acetate

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer



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and birth defects or other reproductive harm.

Mass RTK Substances (>1%) :
(No Product Ingredients Listed)

New Jersey RTK Substances (>1%):

Ethylene glycol monobutyl ether acetate

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

OSHA Process Safety Management Standard Highly Hazardous Chemicals, Toxics and Reactives:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US EPA List of Regulated Substances under the Risk Management Plan (RMP) Program:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US EPA Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) under the Minimum Risk Exemption:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

U.S. - DEA List II or Essential Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

U.S. - DEA - Exempt Chemical Mixtures - List 1 and 2:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

US DHS Chemical Facility Anti-Terrorism Standards (CFATS):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting



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under this statute.

Section 16. Other information

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DISCLAIMER OF RESPONSIBILITY

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume damage or expense arising out of or in any way responsibility and expressly disclaim liability for loss, connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.

The full text of the phrases appearing in section 3 is:

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

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