



**Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM**

**Revision Date:  
8 September, 2026**

**Section 1. Identification**

**Product Identity** Glycol Ether DPM  
**Other means of identification** Dipropylene glycol monomethyl ether; Dipropylene glycol methyl ether; Methoxypropoxypropanol ; (2-methoxymethylethoxy) propanol; 2-(2-methoxypropoxy)propanol

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

Industrial and laboratory applications

**Details of the supplier of the safety data sheet**

**Company Name** Silver Fern Chemical, Inc.  
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Santa Barbara, CA 93101 USA  
info@silverfernchemical.com  
Website - www.silverfernchemical.com

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

**Customer Service:** Customer Service: 1-866-282-3384

**Section 2. Hazard(s) identification**

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



**Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM**

**Revision Date:  
8 September, 2026**

Flammable Liquid 4; H227

Combustible Liquid.

**Label elements**



**Warning**

H227 Combustible liquid.

**[Prevention]**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

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

**[Response]**

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

**[Storage]**

P403 Store in a well ventilated place.

**[Disposal]**

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

**Other hazards**

This product contains no PBT/vPvB/vPvM chemicals.

This product contains no endocrine disrupting chemicals.



**Silver Fern Chemical, Inc.**  
**Safety Data Sheet**  
**Glycol Ether DPM**

**Revision Date:**  
**8 September, 2026**

Does NOT contain component(s) that meet a 'definition' of per & poly fluoroalkyl substance (PFAS) per the US EPA PFASMASTER combined list of PFAS chemicals.

### **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).

| <b>Ingredient/Chemical Designations</b>                                                                | <b>Weight %</b> | <b>GHS Classification</b> | <b>Notes</b>      |
|--------------------------------------------------------------------------------------------------------|-----------------|---------------------------|-------------------|
| Dipropylene glycol methyl ether<br>CAS Number: 34590-94-8<br>Synonyms: (2-methoxymethylethoxy)propanol | 100             | Flammable Liquid 4;H227   | 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 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.

## Section 5. Fire-fighting measures

### Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Unsuitable extinguishing media: Do not use; water jet.

### Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.

### Advice for fire-fighters

As with all fires, 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.

**ERG Guide No.**

128

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).  
Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### Environmental precautions



**Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM**

**Revision Date:  
8 September, 2026**

Do not allow spills to enter drains or waterways.

**Methods and material for containment and cleaning up**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

**Section 7. Handling and storage**

**Precautions for safe handling**

Handle containers carefully to prevent damage and spillage.

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]

**Conditions for safe storage, including any incompatibilities**

Store in a cool dry area, away from heat, sparks and open flame.

Keep containers sealed when not in use.

Store out of direct sunlight.

Incompatible materials: No available information

See section 2 for further details. - [Storage]

**Specific end use(s)**

No available information

**Section 8. Exposure controls / personal protection**

**Control parameters**

**Exposure Limits**



**Silver Fern Chemical, Inc.**  
**Safety Data Sheet**  
**Glycol Ether DPM**

**Revision Date:**  
**8 September, 2026**

| CAS No.    | Ingredient                      | Source | Value                                                                              |
|------------|---------------------------------|--------|------------------------------------------------------------------------------------|
| 34590-94-8 | Dipropylene glycol methyl ether | OSHA   | 100 ppm, 600 mg/m <sup>3</sup>                                                     |
|            |                                 | ACGIH  | TWA: 50 ppm                                                                        |
|            |                                 | NIOSH  | TWA 100 ppm (600 mg/m <sup>3</sup> ) STEL: 150 ppm (900 mg/m <sup>3</sup> ) [skin] |

**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 Controls** Provide adequate ventilation. Where reasonably practicable this should 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**

**Information on basic physical and chemical properties**

|                                                     |                                                                   |
|-----------------------------------------------------|-------------------------------------------------------------------|
| <b>Physical State</b>                               | Clear                                                             |
| <b>Color</b>                                        | Colorless                                                         |
| <b>Odor</b>                                         | Mild / Characteristic                                             |
| <b>Odor threshold</b>                               | No available information                                          |
| <b>Melting point / freezing point</b>               | - 83 °C (- 117 °F)                                                |
| <b>Initial boiling point and boiling range</b>      | 189 °C (374 °F)                                                   |
| <b>Flammability (solid, gas)</b>                    | Not Applicable                                                    |
| <b>Upper/lower flammability or explosive limits</b> | Lower Explosive Limit: 1.1% (v)<br>Upper Explosive Limit: 14% (v) |
| <b>Flash Point</b>                                  | 74°C (165 °F), closed cup                                         |
| <b>Auto-ignition temperature</b>                    | 207 °C (405 °F) [literature]                                      |



Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM

Revision Date:  
8 September, 2026

|                                                 |                                 |
|-------------------------------------------------|---------------------------------|
| Decomposition temperature                       | No available information        |
| pH                                              | No available information        |
| Kinematic viscosity                             | 3.70 mPa·s @ 25 °C [literature] |
| Solubility in Water                             | Miscible                        |
| Partition coefficient n-octanol/water (Log Kow) | No available information        |
| Vapor pressure (Pa)                             | 0.4 mm Hg @ 25 °C               |
| Relative Density                                | 0.951 @ 25 °C                   |
| Vapor Density                                   | 5.1 [Air =1]                    |
| Evaporation rate (Ether = 1)                    | No available information        |
| Oxidizing properties                            | No available information        |
| Explosive properties                            | No available information        |
| Partition coeff. n-octanol/water (log POW):     | log POW = 0.06 @ 20 °C          |
| Molecular Weight                                | 148.2 g/mol                     |

**Other information**

No other relevant information.

## Section 10. Stability and reactivity

**Reactivity**

Hazardous Polymerization will not occur.

**Chemical stability**

Stable under normal circumstances.

**Possibility of hazardous reactions**

No available information

**Conditions to avoid**

Avoid high temperatures and contact with incompatible material. Do not distill to dryness. This product can oxidize at elevated temperatures.

**Incompatible materials**

Strong acids, strong bases, strong oxidizers

**Hazardous decomposition products**

Thermal decomposition products include oxides of carbon and can include aldehydes, ketones and organic acids.

## Section 11. Toxicological information



Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM

Revision Date:  
8 September, 2026

## Acute toxicity

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,<br>mg/kg               | Skin LD50,<br>mg/kg            | Inhalation<br>Vapor LC50,<br>mg/L/4hr | Inhalation<br>Dust/Mist<br>LC50,<br>mg/L/4hr | Inhalation<br>Gas LC50,<br>ppm |
|---------------------------------------------------|-----------------------------------|--------------------------------|---------------------------------------|----------------------------------------------|--------------------------------|
| Dipropylene glycol methyl ether -<br>(34590-94-8) | > 5,000.00, Rat -<br>Category: NA | > 20.00, Rat -<br>Category: NA | No data<br>available.                 | No data<br>available.                        | No data<br>available.          |

## Carcinogen Data

| CAS No.    | Ingredient                      | Source | Value                     |
|------------|---------------------------------|--------|---------------------------|
| 34590-94-8 | Dipropylene glycol methyl ether | OSHA   | Regulated Carcinogen: No; |
|            |                                 | NTP    | Known: No; Suspected: No; |
|            |                                 | IARC   | No                        |
|            |                                 | ACGIH  | No Established Limit      |

| Classification                | Category | Hazard Description |
|-------------------------------|----------|--------------------|
| Acute toxicity (oral)         | ---      | Not Applicable     |
| Acute toxicity (dermal)       | ---      | Not Applicable     |
| Acute toxicity (inhalation)   | ---      | Not Applicable     |
| 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:

Inhalation, ingestion, skin contact, and skin absorption.



Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM

Revision Date:  
8 September, 2026

**Symptoms and effects, both acute and delayed:**

No specific symptom data available.

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

**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 |
|------------------------------------------------|--------------------------------|----------------------------|-------------------|
| Dipropylene glycol methyl ether - (34590-94-8) | 10,000.00, Pimephales promelas | 1,919.00, Daphnia magna    | 969.00, 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**



Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM

Revision Date:  
8 September, 2026

*A flammable liquid with a flash point at or above 38 °C (100 °F) that does not meet the definition of any other hazard class may be reclassified as a combustible liquid. This provision does not apply to transportation by vessel or aircraft, except where other means of transportation are impracticable.  
May be reclassified as not regulated for transport in non-bulk packages having a maximum capacity less than or equal to 450 liters (119 gallons).*



|                            | DOT (Domestic Surface Transportation)                                | IMO / IMDG (Ocean Transportation)                  | ICAO/IATA                                          |
|----------------------------|----------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------|
| UN number                  | NA1993                                                               | Not Regulated                                      | Not Regulated                                      |
| UN proper shipping name    | Combustible liquid, n.o.s. (Dipropylene glycol methyl ether isomers) | Not Regulated                                      | Not Regulated                                      |
| Transport hazard class(es) | Class: Combustible liquid<br>Sub Class: Not Applicable               | Class: Not Applicable<br>Sub Class: Not Applicable | Class: Not Applicable<br>Sub Class: Not Applicable |
| Packing group              | III                                                                  | Not Applicable                                     | Not Applicable                                     |

**Environmental hazards**

IMDG Marine Pollutant: No;  
**Special precautions for user**

No available information

**Section 15. Regulatory information**



Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM

Revision Date:  
8 September, 2026

**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 |
|--------------|---------------------------------|------------------------------------|----------|--------|
| 0034590-94-8 | Dipropylene glycol methyl ether | 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 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:**

Dipropylene glycol methyl ether

**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 and birth defects or other reproductive harm.

**Mass RTK Substances (>1%) :**

Dipropylene glycol methyl ether

**New Jersey RTK Substances (>1%) :**

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

**Pennsylvania RTK Substances (>1%):**

Dipropylene glycol methyl ether

**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



**Silver Fern Chemical, Inc.  
Safety Data Sheet  
Glycol Ether DPM**

**Revision Date:  
8 September, 2026**

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.

**CERCLA Chemicals and RQs:**

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

|                                             |
|---------------------------------------------|
| <p><b>Section 16. Other information</b></p> |
|---------------------------------------------|

**Revision Date**

8 September, 2026

**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:

H227 Combustible liquid.

**End of Document**