



# SILVER FERN CHEMICAL, INC.

## SAFETY DATA SHEET

### Fernshine No Film Glass Cleaner

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Revision: 11/28/2017

## 1. Product and Company Identification

**Product Name:** Fernshine No Film Glass Cleaner  
**Recommended Use:** Glass & Surface Cleaner  
**Intended Use:** For sale to, use and storage by service persons only.

**Distributor**

Silver Fern Chemical, Inc.  
2226 Queen Anne Avenue North, Suite C  
Seattle WA 98109, USA  
Phone: 1-866-282-3384

**Business Contact**

Customer Service: 1-866-282-3384  
info@silverfernchemical.com

**Emergency phone number**  
**24 Hour Emergency Contact**  
**Infotrac 1-800-535-5053 (USA & Canada)**  
**Outside USA & Canada 1-352-323-3500**

## 2. Hazards Identification

**GHS Signal Word:**

**GHS Hazard Phrases:** H320 - Causes eye irritation.

**GHS Precaution Phrases:** P264 - Wash hands thoroughly after handling.  
P280 - Wear eye protection as specified by the manufacturer/supplier or the competent authority.

**GHS Response Phrases:** P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+313 - If eye irritation persists, get medical attention immediately.

**GHS Storage and Disposal Phrases:** P411+235 - Store in cool dry place at room temperature away from direct sunlight. P501 - Dispose of contents and container according to the local, city, state and federal regulations.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** Not expected to be a problem.

**Skin Contact:** Not expected to be a problem.

**Eye Contact:** Causes mild eye irritation.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

## 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
112-34-5	Diethylene glycol monobutyl ether	Proprietary
112-25-4	Ethylene Glycol monohexyl ether	Proprietary
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	Proprietary



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### 4. First Aid Measures

#### Emergency and First Aid

##### Procedures:

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
- In Case of Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person.
- Note to Physician:** Treat symptomatically and supportively.

### 5. Fire Fighting Measures

- Flash Pt:** NP
- Explosive Limits:** LEL: N/A UEL: N/A
- Autoignition Pt:** NP
- Suitable Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Cool containers with flooding quantities of water until well after fire is out.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Containers may explode when heated. Combustible liquid and vapor.
- Flammable Properties and Hazards:** No data available.

### 6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.  
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Provide ventilation.

### 7. Handling and Storage

- Precautions To Be Taken in Handling:** Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after handling.
- Precautions To Be Taken in Storing:** Keep away from heat and flame. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.
112-25-4	Ethylene Glycol monohexyl ether	No data.	No data.	No data.
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	No data.	No data.	No data.



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<b>Respiratory Equipment (Specify Type):</b>	Not expected to be a problem.
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
<b>Protective Gloves:</b>	None. Not expected to be a problem.
<b>Other Protective Clothing:</b>	None.
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate ventilation to keep airborne concentrations low.

### 9. Physical and Chemical Properties

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Blue color liquid with solvent odor.
<b>Melting Point:</b>	NP
<b>Boiling Point:</b>	>= 210.00 F
<b>Decomposition Temperature:</b>	NP
<b>Autoignition Pt:</b>	NP
<b>Flash Pt:</b>	NP
<b>Explosive Limits:</b>	LEL: N/A UEL: N/A
<b>Specific Gravity (Water = 1):</b>	~ 1.000
<b>Density:</b>	~ 8.34 LB/GA
<b>Bulk density:</b>	NE
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NE
<b>Vapor Density (vs. Air = 1):</b>	NE
<b>Evaporation Rate:</b>	NE
<b>Solubility in Water:</b>	100%
<b>Saturated Vapor Concentration:</b>	NE
<b>Viscosity:</b>	NP
<b>pH:</b>	6.50 - 7.50
<b>Percent Volatile:</b>	No data.
<b>VOC / Volume:</b>	0.0000 G/L
<b>Particle Size:</b>	NE
<b>Heat Value:</b>	NE
<b>Corrosion Rate:</b>	NE

### 10. Stability and Reactivity

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	None.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Or Byproducts:</b>	Carbon monoxide.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid -</b>	None.



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### Hazardous Reactions:

## 11. Toxicological Information

**Toxicological Information:** Epidemiology: No information found.  
Teratogenicity: No information available. Reproductive Effects: Mutagenicity:  
Neurotoxicity:

**Carcinogenicity/Other Information:** CAS# 112-34-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.
112-25-4	Ethylene Glycol monoethyl ether	n.a.	n.a.	n.a.	n.a.
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	n.a.	n.a.	n.a.	n.a.

## 12. Ecological Information

No data available.

## 13. Disposal Considerations

**Waste Disposal Method:** Dispose of contents and container according to the local, city, state and federal regulations.

## 14. Transport Information

### LAND TRANSPORT (US DOT):

**DOT Proper Shipping Name:** Not regulated as a hazardous material.

**DOT Hazard Class:**

**UN/NA Number:**

### LAND TRANSPORT (Canadian TDG):

**TDG Shipping Name:** Not Regulated.

### MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not Regulated.

### AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not Regulated.

## 15. Regulatory Information

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230
112-25-4	Ethylene Glycol monoethyl ether	No	No	Yes-Cat. N230
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
112-34-5	Diethylene glycol monobutyl ether	CA PROP.65: No; CA TAC, Title 8: TAC
112-25-4	Ethylene Glycol monoethyl ether	CA PROP.65: No; CA TAC, Title 8: TAC
68585-34-2	Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	CA PROP.65: No; CA TAC, Title 8: No



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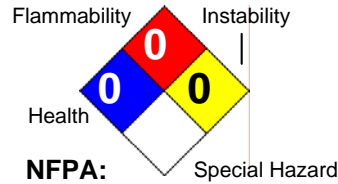
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### 16. Other Information

Hazard Rating System:

HEALTH	0
FLAMMABILITY	0
PHYSICAL	0
PPE	A

HMIS:



Revision Date:

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Additional Information About No data available.

This Product:

Company Policy or  
Disclaimer:

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed 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 responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way 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.

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