

# SILVER FERN CHEMICAL, INC.

## Safety Data Sheet

### Fernol 609

#### COMPANY INFORMATION

##### Distributor

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

##### 24 Hour Emergency Contact

Infotrac 1-800-535-5053 (USA & Canada)  
Outside USA & Canada 1-352-323-3500

#### SECTION 1 – PRODUCT INFORMATION

**Product Name:** Fernol 609  
**Common Chemical Name:** Ethoxylated Alcohols  
**Synonyms:** Phenol-Free Surfactant  
**Surfactant Class:** Nonionic  
**Chemical Family:** Fatty Alcohol Ethoxylates  
**Average Molecular Wt.:** N/A

#### SECTION 2 – HAZARDS IDENTIFICATION

##### GHS Hazards

|                       |            |  |
|-----------------------|------------|--|
| Acute toxicity (oral) | Category 4 | Acute toxicity                               |
| Eye damage/irritation | Category 1 | Serious eye damage/eye irritation            |
| Aquatic Acute         | Category 2 | Hazardous to the aquatic environment - acute |

##### LABEL ELEMENTS

##### Pictogram:



##### Signal word:

Danger

##### Hazard statement:

H318 Causes serious eye damage.  
H302 Harmful if swallowed.  
H401 Toxic to aquatic life.

##### Precautionary statements

##### Prevention:

P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P280 Wear eye protection/face protection.

##### Response:

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.  
P310 Immediately call a POISON CENTER or doctor/physician.

##### Disposal:

P501 Dispose of contents / container to an approved waste disposal plant

##### Additional advice:

This product may contain residual levels of alcohol which, even under normal handling conditions, may small and irritate the eyes, nose, and throat of some individuals.

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

**Components**

| <b><u>CAS Number</u></b> | <b><u>Content (W/W)</u></b> | <b><u>Chemical Name</u></b> |
|--------------------------|-----------------------------|-----------------------------|
| N/A                      | N/A                         | Trade Secret                |

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

**SECTION 4 – FIRST AID MEASURES**

**Description of first aid measures**

**General advice:**

Remove contaminated clothing.

**If inhaled:**

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

**If on skin:**

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:**

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

**If swallowed:**

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

**Most important symptoms and effects, both acute and delayed**

Symptoms: No significant symptoms are expected due to the non-classification of the product.

**Indication of any immediate medical attention and special treatment needed**

**Note to physician:**

Treat accordingly to symptoms (decontamination, vital functions), no known specific antidote.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Extinguishing Media:** Suitable extinguishing media

Water spray, dry powder, carbon dioxide, foam

**Special hazards arising from the substance or mixture:** Hazards during fire-fighting

No particular hazards known.

**Advice for fire-fighters:** Protective equipment for fire-fighting

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Further accidental release measures:**

High risk of slipping due to leakage/spillage of product.

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective clothing. Information regarding personal protective measures see, section 8.

**Environmental precautions:**

Do not discharge into drains/surface waters/groundwater.

**Methods and material for contaminated cleaning up:** For small amounts  
Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder).  
Dispose of absorbed material in accordance with regulations.

**Methods and material for contaminated cleaning up:** For large amounts  
Pump off product.  
Spills should be contained, solidified, and placed in suitable containers for disposal.

**SECTION 7 – HANDLING AND STORAGE**

**Precautions for safe handling:**

No special measures necessary provided is used correctly.

Protection against fire and explosion:  
No special precautions necessary.

**Conditions for safe storage, including and incompatibilities:**

Keep container tightly closed and in a cool place.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Advice on system design:**

Provide local exhaust ventilation at elevated temperatures.

**Personal protective equipment**

**Hand protection:**

Chemical resistant protective gloves.

**Eye protection:**

Safety glasses with side-shields.

**Body protection:**

Body protection must be chosen based on level of activity and exposure.

**General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industry hygiene and safety practice. Keep away from food, drink, and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                      |           |                                 |
|----------------------|-----------|---------------------------------|
| Form:                | Liquid    |                                 |
| Color:               | Clear     |                                 |
| Odor:                | Mild      |                                 |
| pH value:            | 6.0 / 8.0 | (1% in aqueous solution @ 25°C) |
| Freezing point:      | N/A       |                                 |
| Boiling point:       | >200°C    |                                 |
| Flash point:         | >200°C    | (ASTM D92)                      |
| Vapor pressure:      | N/A       |                                 |
| Specific Gravity:    | N/A       |                                 |
| Density:             | N/A       |                                 |
| Viscosity:           | N/A       |                                 |
| Solubility in water: | Soluble   |                                 |

**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** Corrosion to metals  
No corrosive effect on metal.

**Chemical stability**

**Possibility of hazardous reactions:**  
The product is chemically stable.

**Conditions to avoid:**  
No conditions known that should be avoided.

**Incompatible materials:**  
Oxidizing agents, strong alkalies.

**Hazardous decomposition products:**  
No hazardous decomposition products if stored and handled as prescribed / indicated.

**SECTION 11 – TOXICOLOGY INFORMATION**

**Primary routes of exposure:**  
Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute Toxicity/Effects**

Oral  
Type of value: LD50  
Species: rat  
Value: 500 - 2,000 mg/kg

Irritation / corrosion  
Assessments or irritating effects: Irritating to respiratory system. Irritating to eyes and skin.

Skin  
Species: rabbit  
Result: non-irritant  
Value: internal

Eye  
Species: rabbit  
Result: Risk of serious damage to eyes.

**Chronic Toxicity/Effects**

Other information  
This statement was derived from products of similar composition.

**Symptoms of Exposure**

The most important known symptoms and effects are described in the labeling (see section 2) and /or in section 11.

**Medical conditions aggravated by overexposure**

Data available does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Toxicity**

Toxicity to fish

LC50 (96 h) 1 - 10 mg/l, Leuciscus idus

Aquatic invertebrates

EC 50 (48 h) 1 – 10 mg/l

Aquatic plants

EC50 (72 h) 1 – 10 mg/l

**Microorganisms/Effect on activated sludge**

Toxicity to microorganisms

DIN 38412 Part 8 EC10 (17 h): > 10,000 mg/l

**Persistence and degradability**

Elimination information

>70% CO<sub>2</sub> formation relative to the theoretical value (28 d) (OECD 301B) Readily biodegradable

**Additional information**

Other ecotoxicological advice:

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrates. Do not release untreated into natural waters. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste disposal of substance:**

Dispose of in accordance with national, state, and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**Container disposal:**

Recommended crushing, puncturing or other means to prevent unauthorized use of used containers.  
Dispose of in accordance with national, state and local regulations

RCRA: NA

**SECTION 14 – TRANSPORT INFORMATION**

**USDOT**

Not classified as dangerous goods under transportation regulations

**TDG**

Not classified as dangerous goods under transportation regulations

**IMDG**

Not classified as dangerous goods under transportation regulations

**IATA**

Not classified as dangerous goods under transportation regulations

**Additional Information:**

No additional information available

**SECTION 15 – REGULATORY INFORMATION**

**Federal Regulations**

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910. 1200**

**Emergency overview**

WARNING:  
Causes irritation.  
MAY CAUSE SKIN IRRITATION.  
MAY CAUSE RESPIRATORY TRACT IRRITATION.  
INGESTION MAY CAUSE GASTRIC DISTURBANCES.  
Avoid contact with the skin, eyes and clothing.  
Avoid inhalation of mists/vapors.  
Use with local exhaust ventilation.  
Wear a NIOSH-certified (or equivalent) organic vapors/particulate respirator.  
Wear NIOSH-certified chemical goggles.  
Wear protective clothing.  
Eye wash fountains and safety showers must be easily accessible.

**Registration status:**

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):**

Acute

| <u>CERCLA RQ</u> | <u>CAS Number</u> | <u>Chemical Name</u> |
|------------------|-------------------|----------------------|
| 10 LBS           | 75-21-8           | Ethylene Oxide       |

**State Regulations**

**CA Prop. 65:**

WARNING: THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM, INCLUDING ETHYLENE OXIDE.

**Hazard Ratings**

Normally Silver Fern Chemical, Inc. uses Paintings and Coverings Association valuation method. The use of an asterisk (\*) indicates the potential of health effect in the NFPA valuation.

**NFPA Hazard codes:**

Health: 3                      Fire: 1                      Reactivity: 0                      Special: N/A

**HMIS III rating:**

Health: 3                      Flammability: 1                      Physical hazard: 0

**Inventory Statement:**

| Country   | Regulatory List | Statement           |
|-----------|-----------------|---------------------|
| USA       | TSCA            | Listed on Inventory |
| Canada    | DSL             | Listed on Inventory |
| EU        | EINECS          | Listed on Inventory |
| Australia | AICS            | Listed on Inventory |
| China     | SEPA            | Listed on Inventory |



**SECTION 16 – OTHER INFORMATION**

**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, 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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