



Silver Fern Chemical, Inc.
Safety Data Sheet
Calcium Stearate 50% Emulsion

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. Identification

Product identifier

Product name Calcium Stearate 50% Emulsion

Chemical name Calcium Stearate Dispersion

Recommended use of the chemical and restrictions on use

Application Lubricant.

Details of the supplier of the safety data sheet

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

Emergency telephone number

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

2. Hazard(s) identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Corr. 1A - H314 Eye Dam. 1 - H318

Environmental Not Classified

hazards Label

elements Pictogram



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Calcium Stearate 50% Emulsion

Precautionary statements

P260 Do not breathe vapor/ spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.
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/ doctor.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

SURFACTANT (Trade Secret) NJTSR No. AE40803

Calcium Stearate 50% Emulsion

3. Composition/information on ingredients

Mixtures

WATER	30-60%
CAS number: 7732-18-5	
Classification Not Classified	
CALCIUM STEARATE	30-60%
CAS number: 1592-23-0	
Classification Not Classified	
SURFACTANT (Trade Secret) NJTSR No. AE40803	1-5%
CAS number: —	
Classification Acute Tox. 4 - H302 Eye Irrit. 2A - H319	
CALCIUM HYDROXIDE	<1%
CAS number: 1305-62-0	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	

The full text for all hazard statements is displayed in Section 16.

Composition comments Exact concentration of constituents has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Calcium Stearate 50% Emulsion

Most important symptoms and effects, both acute and delayed

Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause discomfort if swallowed. No specific symptoms known.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Prolonged contact may cause redness and/or tearing.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
-----------------------------	------------------------------

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Special hazards arising from the substance or mixture

Flammability Class	The product is not flammable.
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO ₂).

Advice for firefighters

Protective actions during firefighting	Fight fire with normal precautions from a reasonable distance. Stop leak if safe to do so.
Special protective equipment for firefighters	Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapors.
-----------------------------	---

Environmental precautions

Environmental precautions	Avoid discharge into drains. Contain spillage with sand, earth or other suitable non-combustible material. Collect and dispose of spillage as indicated in Section 13.
----------------------------------	--

Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
--------------------------------	---

Calcium Stearate 50% Emulsion

7. Handling and storage

Precautions for safe handling

Usage precautions No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. Avoid spilling. Protect from freezing and direct sunlight.

Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store above freezing.

Storage class Chemical storage.

Specific end uses(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

CALCIUM STEARATE

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m³

CALCIUM HYDROXIDE

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

ACGIH = American Conference of Governmental Industrial Hygienists.

OSHA = Occupational Safety and Health Administration.

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapors. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Do not smoke in work area. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

Calcium Stearate 50% Emulsion

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid.
Color	White/off-white.
pH	pH (concentrated solution): 10 - 12
Melting point	ca 0°C
Initial boiling point and range	ca 100°C
Flash point	> 100°C Closed cup.
Solubility(ies)	Dispersible in water.
Viscosity	100 - 300 mPa s @ 20°C

10. Stability and reactivity

Reactivity	The following materials may react with the product: Strong oxidizing agents.
Stability	Stable at normal ambient temperatures.
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur. Will not polymerize.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).

11. Toxicological information

Information on toxicological effects

Acute toxicity - oral

Notes (oral LD ₅₀)	LD ₅₀ >2000 mg/kg, Oral, Rat (Calculated value)
ATE oral (mg/kg)	83,333.33

Skin corrosion/irritation

Skin corrosion/irritation	Corrosive to skin.
---------------------------	--------------------

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.
-------------------------------	--------------------------------

Inhalation

Gas or vapor in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Prolonged skin contact may cause redness and irritation.

Eye contact

Causes serious eye damage.

Calcium Stearate 50% Emulsion

12. Ecological information

Ecotoxicity Not regarded as dangerous for the environment.

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: > 100 mg/l,
Calculation method.

Persistence and degradability

Persistence and degradability The product is biodegradable.

Bioaccumulative potential

Bio-Accumulative Potential The product is not bioaccumulating.

Mobility in soil

Mobility Not known.

13. Disposal considerations

Waste treatment methods

General information The generation of waste should be minimized or avoided wherever possible. Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International) Not applicable.

UN No. (DOT) Not applicable.

UN proper shipping name

Proper shipping name (International) Not applicable.

Proper shipping name (DOT) Not applicable.

Transport hazard class(es)

Transport Labels (International) No transport warning sign required.

DOT transport labels

No transport warning sign required.

Packaging group

Packing group

Packing group (International) Not applicable.

DOT packing group Not applicable.

Environmental hazards

Calcium Stearate 50% Emulsion

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT reportable quantity Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

National regulations The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

Guidance Workplace Exposure Limits EH40.
CHIP for everyone HSG228.
Approved Classification and Labelling Guide (Sixth edition) L131.
Material Safety Data Sheets for Substances and Preparations.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The product does not contain any substance regulated as hazardous and there are no reporting requirements.

SARA 313 Emission Reporting

Not listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

This product does not contain any of the substances listed.

California Directors List of Hazardous Substances

CAS 1305-62-0 (<0.3%) is listed

Rhode Island "Right To Know" List

CAS 1305-62-0 (<0.3%) is listed

Minnesota "Right To Know" List

CAS 1306-62-0 (<0.3%) is listed

New Jersey "Right To Know" List

CAS 1306-62-0 (<0.3%) is listed

Pennsylvania "Right To Know" List

CAS 1306-62-0 (<0.3%) is listed

Inventories

EU - EINECS/ELINCS

All the ingredients are listed or exempt.

Calcium Stearate 50% Emulsion

Canada - DSL/NDSL

DSL

All the ingredients are listed or exempt.

US - TSCA

All the ingredients are listed or exempt.

Australia - AICS

All the ingredients are listed or exempt.

China - IECSC

All the ingredients are listed or exempt.

Philippines - PICCS

All the ingredients are listed or exempt.

New Zealand - NZIOC

All the ingredients are listed or exempt.

16. Other information

Revision date	4/15/2024
Revision	5
Supersedes date	2/27/2020
Hazard statements in full	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation.

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.