



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 Serious eye damage/eye irritation (Category 2 - H319), Skin irritation (Category 2 - H315)

Environmental hazards Not Classified

Label elements

Pictogram



Signal word Warning

Hazard statements H319 - Causes serious eye irritation.

H315 - Causes skin irritation.

Calcium Stearate 50% Emulsion

Precautionary statements

P264 - Wash hands and face thoroughly after handling.

P280 - Wear eye protection, face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

Contains

SURFACTANT (Trade Secret) NJTSR No. AE40803

Other hazards

This product does not contain any substances classified as PBT or vPvB.

Calcium Stearate 50% Emulsion

3. Composition/information on ingredients

Mixtures

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

Calcium Stearate 50% Emulsion

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.

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 may liberate carbon oxides and other toxic gases or vapors. Oxides of carbon.

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.
----------------------------------	--

Calcium Stearate 50% Emulsion

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.

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

Calcium Stearate 50% Emulsion

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): 11 to 12
Melting point	ca 0°C
Initial boiling point and range	ca 100°C @ ca 100°C
Flash point	> 100°C Closed cup.
Solubility(ies)	Dispersible @ °C
Auto-ignition temperature	Not determined.

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 LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat (Calculated value)

ATE oral (mg/kg) 41,666.67

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.

12. Ecological information

Calcium Stearate 50% Emulsion

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.

Calcium Stearate 50% Emulsion

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

Environmentally Hazardous Substance

No.

Special precautions for user

Not applicable.

DOT TIH Zone Not applicable.

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

Calcium Stearate 50% Emulsion

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.

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.

Calcium Stearate 50% Emulsion

Philippines - PICCS

All the ingredients are listed or exempt.

New Zealand - NZIOC

All the ingredients are listed or exempt.

16. Other information

Revision date	4/29/2020
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.