Section 1. Identification

Product Identity Soy Methyl Ester
Other means of identification Soybean Oil, Me Ester

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

For industrial use only.

Details of the supplier of the safety data sheet

Company Name

Silver Fern Chemical, Inc.
121 W. De La Guerra Street, Suite B
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)

The substance is not classified according to the OSHA Hazcom or WHMIS regulations.

Label elements

The substance is not classified according to the OSHA Hazcom or WHMIS regulations.

[Prevention]
No GHS prevention statements
[Response]
No GHS response statements
[Storage]
No GHS storage statements
[Disposal]
No GHS disposal statements

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.
This product contains no endocrine disrupting chemicals.
Hazards not otherwise classified (HNOC): Rags, absorbents, filter media and other porous materials soaked with this product may self-heat and ignite spontaneously. See Section 7.

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 is a single substance (UVCB) that does not meet the hazard criteria of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Soybean oil, Me ester **CAS Number: 67784-80-9** **Synonyms: Methyl soyate; Soy methyl ester (SME); Soybean oil, methyl ester**	**100**	**Not Classified**	**No data available**

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes

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_2, powder, water spray.
Unsuitable extinguishing media: Do not use; water jet.

Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide, carbon dioxide, smoke and unidentified organic compounds. Rags or absorbents soaked with this product may self-heat and ignite spontaneously.

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. ----

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

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Remove all sources of ignition. 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 used absorbent in closed metal containers outside buildings; contaminated absorbent may self-heat and ignite spontaneously. Dispose of in accordance with applicable federal, state and local regulations.

Section 7. Handling and storage

Precautions for safe handling
Handle containers carefully to prevent damage and spillage.
Rags, absorbents and other porous materials contaminated with this product can self-heat and ignite spontaneously. Place them in an approved, closed metal safety container, soak them in water before disposal, or launder and dry them in a well-ventilated area away from combustibles.

Conditions for safe storage, including any incompatibilities
Incompatible materials: Strong oxidizing agents, strong acids and strong bases.
Store in a cool, dry, well-ventilated area away from heat, sparks, open flames and strong oxidizers. Keep containers closed when not in use.

Specific end use(s)
No available information

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
67784-80-9	Soybean oil, Me ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Exposure controls

Respiratory Not normally required. If mists or vapors are generated (e.g., heated product or spraying), use a NIOSH-approved respirator with organic vapor cartridges and a particulate prefilter.

Eyes Protective safety glasses recommended

Skin	Avoid skin contact. Nitrile gloves recommended; PVC gloves are not 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

Physical State	Liquid
Color	Clear Light Yellow
Odor	Mild. Vegetable oil.
Odor threshold	No available information
Melting point / freezing point	-1°C to 20°C / 30°F to 68°F
Initial boiling point and boiling range	662 °F (350 °C)
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	266 °F (130 °C) Closed Cup
Auto-ignition temperature	> 464 °F (> 240 °C)
Decomposition temperature	> 392 °F (> 200 °C)
pH	Not applicable, material is insoluble in water.
Kinematic viscosity	Approx. 4-5 mm²/s (cSt) @ 40 °C (104 °F)
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	6.2

Vapor pressure	< 1 mmHg @ 25 °C (77 °F)
Relative Density	0.87-0.89 @ 25°C
Vapor Density	> 9 (Air=1) (theoretical value)
Evaporation rate (Ether = 1)	No available information
Oxidising properties	No available information
Explosive properties	No available information

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
Incompatible materials
Strong oxidizing agents, strong acids and strong bases.
Hazardous decomposition products
Carbon monoxide and carbon dioxide on combustion or thermal decomposition.

Section 11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Soybean oil, Me ester - (67784-80-9)					

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
	> 5,000 (rat)	> 5,000	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
67784-80-9	Soybean oil, Me ester	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	No
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not classified
Acute toxicity (dermal)	---	Not classified
Acute toxicity (inhalation)	---	Not classified
Skin corrosion/irritation	---	Not classified
Serious eye damage/irritation	---	Not classified
Respiratory sensitization	---	Not classified
Skin sensitization	---	Not classified
Germ cell mutagenicity	---	Not classified
Carcinogenicity	---	Not classified
Reproductive toxicity	---	Not classified
STOT-single exposure	---	Not classified
STOT-repeated exposure	---	Not classified
Aspiration hazard	---	Not classified

Possible routes of entry:
Inhalation, ingestion and skin contact.

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

Not expected to be harmful to aquatic organisms based on data for similar fatty acid methyl esters. The product has not been tested.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Soybean oil, Me ester - (67784-80-9)	No data available.	No data available.	No data available.

Persistence and degradability
Expected to be readily biodegradable.
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, state and local regulations when disposing of this substance.

Section 14. Transport information

	US DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not	Class: Not Applicable

class(es)		Applicable	Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable

Environmental hazards

IMDG Marine Pollutant: No;

Special precautions for user

No available information

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0067784-80-9	Soybean oil, Me ester	Yes	UVCB	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 311/312 Hazard Categories: Not applicable. This product is not classified as hazardous under 29 CFR 1910.1200.

EPCRA 313 Toxic Chemicals:
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

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.

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

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 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.

Section 16. Other information

Revision Date 22 October, 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 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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