



Section 1. Product and Company Identification

Product Name Soy Methyl Esters
CAS Number 67784-80-9

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Section 2. Hazards Identification

Classification of the substance or mixture

This product is NOT classified as hazardous according to 29 CFR 1910, amended to conform to the United Nations' Globally Harmonized System of Classification and Labelling of Chemicals (OSHA I GHS); SOR/88-66, the Canadian Controlled Products Regulations (CPR); and/or NOM-002-SCT-2003 (Mexico). However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.

GHS Label Elements

Pictograms: N/A
Signal word: N/A

Hazard and precautionary statements

None

Emergency Overview: Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper, and clothing. Place soaked materials in a sealed, metal container to prevent this. The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: Light Yellow

Physical State: Liquid

Odor: Bland

Chemical Family: Oil



Section 3. Composition / Information on Ingredients

Common Name Soy Methyl Esters
Synonym(s) Soybean Methyl Esters
CAS Number 67784-80-9

COMPONENT	CAS NUMBER	CONCENTRATION
Soy Methyl Esters	67784-80-9	90 – 100%

Section 4. First Aid Measures

Description of First Aid Measures

General Advice: No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.

Eye Contact: Rinse thoroughly with plenty of water, also under the eyelids.

Skin Contact: Wash off with warm water and soap.

Inhalation: Move to fresh air.

Ingestion: No special measures required. Health injuries are not known or expected under normal use.

Most important symptoms and effects, both acute and delayed

Eyes: Not expected to pose health issues for the eye.

Skin: Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

Inhalation: Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.

Ingestion: Health injuries are not known or expected under normal use. Overexposure may cause gastrointestinal disturbance.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Section 5. Firefighting Measures

Flammable Properties: Material may pose fire hazard because it is dispersed (or spread) by water.

Extinguishing media

Suitable Extinguishing Media: Dry chemical, dry chemical powder, carbon dioxide (CO₂), foam, sand, and fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.



Special hazards arising from the substance or mixture

Hazardous Combustion Products: Thermal decomposition can lead to release of irritating gases and vapors, Acrolein, Carbon monoxide (CO), Carbon dioxide (CO₂), Smoke, Fumes.

Specific Hazards Arising from the Chemical: Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray.

Sensitivity to mechanical impact: No information available

Sensitivity to static discharge: No information available

Advice for firefighters

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health: 0

Flammability: 1

Stability and Reactivity: 0

Physical Hazard: None known

Section 6. Accidental Release Measures

Personal Precautions: Avoid high pressure washing or generation of aerosols. Material can create slippery conditions.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not allow product to reach soil, sewage system or any water course.

Methods for Clean-up: Dam up. Soak up with inert absorbent material. Use dry spill kit material or sand, collect in appropriate containers. For disposal information see section 13. Clean contaminated surface thoroughly.

Other Information: Oil soaked materials may spontaneously combust

Section 7. Handling and Storage

Handling: Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition.

Storage: Keep in a cool sheltered place. To maintain product quality, do not store in heat or direct sunlight.

Section 8. Exposure Controls / Personal Protection

Exposure Limits: As an airborne mist containing vegetable oil, exposure limits pertaining to "vegetable oil mist" have been provided below.



Chemical Name	ACCIH TLV	OSHA PEL	Mexico	NIOSH
Vegetable Oil Mist	TVL: 10 mg/m ³	TWA: 5 mg/m ³ mist, respirable fraction TWA: 15 mg/m ³ mist total	TWA: 10 mg/m ³ except irritant oils	TWA: 10 mg/m ³ total mist TWA: 5 mg/m ³ respirable mist

Engineering Measures: Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Personal Protective Equipment

Eye/face Protection: If exposed to airborne mist, or if splashing is possible, appropriate safety glasses with side-shields or safety goggles are recommended

Skin and Body Protection: Oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Also take into consideration the specific local conditions under which the product is used.

Respiratory Protection: In Case of mist, spray or aerosol exposure, wear suitable personal respiratory protection

Section 9. Physical and Chemical Properties

Appearance: Light Yellow

Physical State: Liquid

Odor: Bland

Odor Threshold: Not Applicable

pH: Not Applicable

Flash Point: Greater than 218° C

Autoignition Temperature: Not auto-flammable

Boiling point: Not Applicable

Melting/Freezing Point: Not Applicable

Decomposition temperature: No information available

Oxidizing Properties: Not expected to be oxidizing

Water Solubility: Insoluble

Solubility: Soluble in many organic solvents

Evaporation Rate: No information available

Vapor Pressure: No information available

Vapor Density: No information available

Specific Gravity / Relative Density: Approx. 0.9 (H₂O=1)

Partition Coefficient (n-octanol/water): No information available



Section 10. Stability and Reactivity

Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: None under normal processing.

Conditions to Avoid: Keep away from open flames, hot surfaces and sources of ignition.

Incompatible Materials: No materials to be especially mentioned.

Hazardous Decomposition Products: Thermal decomposition leads to formation of acrolein, Carbon monoxide (CO), Carbon dioxide (CO₂), Smoke, Fumes.

Section 11. Toxicological Information

Acute toxicity: Based on available data, no evidence of acute toxicity.

Skin corrosion/irritation: Based on available data, not, or only slightly irritating.

Serious eye damage/eye irritation: Based on available data, no evidence of serious eye damage / irritation

Respiratory or skin sensitization: Based on available data, not expected to be a skin or respiratory sensitizer

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, no evidence of carcinogenicity.

Reproductive toxicity: Based on available data, no evidence of reproductive toxicity

STOT - single exposure: Based on available data, the classification criteria are not met.

STOT - repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, no known aspiration hazard.

Potential Health Effects

Eyes: Not expected to pose health issues for the eye.

Skin: Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

Inhalation: Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist." Excessive inhalation of mist may result in respiratory irritation.

Ingestion: Health injuries are not known or expected under normal use. Overexposure may cause gastrointestinal disturbance.

Section 12. Ecological Information

Ecotoxicity: Not classified for aquatic toxicity

Persistence/Degradability: Readily biodegradable

Mobility: The product is insoluble and floats on water.



Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Domestic transport regulations (USA)

DOT: Not regulated

Domestic transport regulations (Canada)

TDG: Not regulated

Domestic transport regulations (Mexico)

MEX: Not regulated

International transport regulations

ICAO: Not regulated

IATA: Not regulated

IMDG/IMO: Not regulated

Section 15. Regulatory Information

International Inventories: The components of this product are reported in the following inventories

Chemical name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS ISHL	CHINA	PICCS	KECL	NZIoC
Soy Methyl Esters	Yes	Yes	No	Yes	No	Yes	No	Yes	Yes	Yes	Yes

USA

Federal Regulations

Ozone Depleting Substances: No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

CERCLA/SARA 103-302: Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

SARA 311/312 Hazardous Categorization

Acute Health Hazard: No



Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 63): This product is not known to contain any HAPS.

State Regulations

California Proposition 65: Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source. Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

State Right-to-Know: Component Information

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Soy Methyl Esters	99-100	No	No	No	Yes

Canada

WHMIS Product Classification: Not a WHMIS controlled product.

WHMIS Ingredient Disclosure List IDL: No known component is listed on the WHMIS ingredients disclosure list.

(NPRI) Canadian National Pollutant Release Inventory: No known component is listed on NPRI.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Mexico

Mexico - Grade: Slight risk, Grade 1

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 8/27/2015