

**Section 1: Product & Company Information**

**Product Identifier:** Soy Methyl Ester

**Other Means of Identification**

*Product Number: No data available.*

**Recommended Use and Restrictions on Use**

*Recommended Use: Industrial uses, laboratory chemicals, manufacture of substances.*

*Restrictions on Use: None known*

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name:** CORECHEM Inc.

**Address:** 4320 Greenway Drive  
Knoxville, TN 37918  
USA

**Information Telephone Number:** 1-865-524-4239

**Fax Number:** 1-865-524-3375

**Website:** www.corecheminc.com

**Contact Person:** Regulatory Manager

**E-mail:** regulatory@corecheminc.com

**Emergency Phone Number:** Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

**Section 2: Hazards Identification**

**GHS Hazard Classification(s)**

*Not classified as hazardous according to OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).*

**Physical Hazard(s)**

*Not classified.*

**Health Hazard(s)**

*Not classified.*

**Environmental Hazard(s)**

*Not classified.*

**Label Elements**

**Signal Word**

*No signal word*

**Hazard Symbol(s)**

*No symbol*

**Hazard Statement(s)**

*Not applicable.*

**Precautionary Statements**

**General**

*Not applicable.*

**Prevention**

*Not applicable.*

**Response**

*Not applicable.*

**Storage**

*Not applicable.*

**Disposal**

*Not applicable.*

**Hazard(s) not otherwise classified (HNOC)**

*None known.*

**Section 3: Composition/Information on Ingredients**

**Mixture**

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
Fatty acids, soya, methyl esters		68919-53-9	98-100	None
Methyl alcohol		67-56-1	≤0.2	None

1. Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
2. Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
3. "—" Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

## Section 4: First-Aid Measures

### General Information

When symptoms persist or in all cases of doubt seek medical attention.

### Inhalation

Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.

### Skin Contact

Wash off immediately with soap and plenty of water, removing all contaminated clothing and shoes.

### Eye Contact

Flush eyes with plenty of water for 15 minutes.

### Ingestion

May be harmful if swallowed.

### Most important symptoms/effects, acute and delayed

#### Symptoms

Skin contact with product at an elevated temperature can result in thermal burns. Avoid breathing vapors and mists. Inhalation of vapors in high concentrations may cause irritation to the respiratory system. May be harmful if swallowed. Main symptoms include Nausea dizziness, and irritation to the respiratory system.

### Indication of immediate medical attention and special treatment needed

#### Hazards

Carbon Monoxide (CO) Carbon Dioxide (CO<sub>2</sub>)

#### Treatment

Treat symptomatically. Symptoms may be delayed.

## Section 5: Fire-Fighting Measures

### General Fire Hazards

Material may pose fire hazard as it is dispersed or spread by water.

### Suitable (and Unsuitable) Extinguishing Media

#### Suitable Extinguishing Media

Dry chemical, carbon dioxide (CO<sub>2</sub>) Alcohol resistant foam. Use extinguishing measures that are suitable for circumstances and the surrounding environment. Unsuitable extinguishing media. Do not use a solid stream of water as it may scatter and spread the fire.

#### Unsuitable Extinguishing Media

Avoid water in straight hose stream; will scatter and spread fire.

### Specific Hazards Arising from the Chemical

Risk of ignition. Cool closed containers exposed to fire with water spray. 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.

### Special Protective Equipment and Precautions for Firefighters

#### Special Fire-Fighting Equipment Procedures

Water may be ineffective in fighting the fire. Use water spray to keep fire-exposed containers cool.

#### Special Protective Equipment for Fire-Fighters

As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

## Section 6: Accidental Release Measures

### Personal Precautions, Protective Equipment and Emergency Procedures

Remove all sources of ignition. Material can create slippery conditions.

### Methods and Materials for Containment and Clean-Up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Large Spills should be collected mechanically. (Remove by pumping.) For disposal. Clean contaminated surface thoroughly.

### Notification Procedures

Notify authorities if any exposure to the public or environment occurs or is likely to occur. Local authorities should be advised if significant spillages cannot be contained.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Store contaminated materials in tightly closed containers until disposal.

## Section 7: Handling and Storage

### Precautions for Safe Handling

Use caution when handling/transferring. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible. Observe good industrial hygiene practices.

### Conditions for Safe Storage, including any Incompatibilities

Keep in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep away from open flames, hot surfaces and sources of ignition. Keep at temperatures between 50-120 °F/ 10-49 °C

## Section 8: Exposure Controls/Personal Protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Value	Source
Methyl alcohol	STEL	250 ppm	US. ACGIH Threshold Limit Values
Methyl Alcohol	TWA	200 ppm	US. ACGIH Threshold Limit Values
Vegetable oil mist	TVL	10 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values
Methyl alcohol	TWA	200 ppm	US OSHA Table Z-1
Methyl Alcohol	TWA	260 ppm	US OSHA Table Z-1
Vegetable oil mist	TWA	5 mg/m <sup>3</sup> mist, respirable fraction	US OSHA Table Z-1
Vegetable oil mist	TWA	15 mg/m <sup>3</sup> mist, total	US OSHA Table Z-1
Methyl alcohol	STEL	250 ppm	MEXICO
Methyl alcohol	STEL	310 ppm	MEXICO
Methyl alcohol	TWA	200 ppm	MEXICO
Methyl Alcohol	TWA	260 ppm	MEXICO
Vegetable oil mist	TWA	10 mg/m <sup>3</sup>	MEXICO
Methyl alcohol	IDLH	6000 ppm	NIOSH
Methyl alcohol	STEL	250 ppm	NIOSH
Methyl alcohol	STEL	325 ppm	NIOSH
Methyl alcohol	TWA	200 ppm	NIOSH
Methyl alcohol	TWA	260 ppm	NIOSH
Vegetable oil mist	TWA	10mg/m <sup>3</sup> total mist	NIOSH
Vegetable oil mist	TWA	5 mg/m <sup>3</sup> respirable mist	NIOSH

The product does not contain any relevant quantities of hazardous materials with critical values that have to be monitored in the workplace.

#### Biological Limit Values

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

### Appropriate Engineering Controls

Ensure adequate Ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits. However, it is the duty of user to verify this and follow all given exposure limits at the workplace.

### Individual protection measures, such as personal protective equipment (PPE)

#### General Information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

#### Eye/Face Protection

Safety glasses with side shields, if needed. If splashes are likely to occur, wear goggles.

#### Skin Protection

##### Hand Protection

Impervious gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.

##### Other

Take into consideration the specific local conditions under which the product is used. Appropriate body protection should be selected based on activity and possible exposure

#### Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection. When workers are facing concentrations above the exposure limits they must use appropriate certified respirators.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practices.

## Section 9: Physical and Chemical Properties

### Appearance:

Physical State:  
Color:

Liquid  
Light yellow

### Odor:

Mild (typically for vegetable compounds).

### Odor Threshold:

No data available.

### pH:

Approximately 8

### Melting Point/Freezing Point:

No data available.

<b>Initial Boiling Point and Boiling Range:</b>	>200 °C / 392 °F
<b>Flash Point:</b>	>130 °C / 266 °F
<b>Evaporation Rate (butyl acetate=1):</b>	<1.0 [ butyl acetate=1.0]
<b>Flammability (solid, gas):</b>	No data available.
<b>Upper/Lower Limit on Flammability or Explosive Limits</b>	
Flammability Limit – Upper:	No data available.
Flammability Limit – Lower:	No data available.
Explosive Limit – Upper:	Not explosive
Explosive Limit – Lower:	Not explosive
<b>Vapor Pressure:</b>	Approximately < 2 mmHg
<b>Vapor Density (air = 1):</b>	(Air = 1.0) > 1
<b>Relative Density (water=1):</b>	No data available.
<b>Solubility(ies):</b>	
Solubility in water:	Insoluble @ 20 °C
Solubility (other):	No data available.
<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Auto-Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>Viscosity:</b>	No data available.
<b>Other Information:</b>	
Molecular Weight:	No data available.
Formula:	No data available.

## Section 10: Stability and Reactivity

### Reactivity

No dangerous reaction known under conditions of normal use.

### Chemical Stability

Material is 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

Strong oxidizing agents.

### Hazardous Decomposition Products

No information available.

## Section 11: Toxicological Information

### Information on routes of exposure

**Ingestion:** May be harmful if swallowed.

**Inhalation:** May cause irritation to the respiratory tract.

**Skin Contact:** Can result in thermal burns at high temperatures.

**Eye Contact:** No eye irritancy to be expected

### Information on Toxicological Effects

#### Acute Toxicity (List all possible routes of exposure)

##### Oral

No data available

##### Dermal

No data available

##### Inhalation

No data available

##### Repeated Dose Toxicity

No data available

### Skin Corrosion/Irritation

Contact with product at elevated temperatures can result in thermal burns.

### Serious Eye Damage/Eye Irritation

No eye irritation is to be expected.

### Respiratory/Skin Sensitization

Avoid breathing vapors or mist. Inhalation of vapors in high concentrations may cause irritation of the respiratory system.

### Carcinogenicity

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

*No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.*

**US. National Toxicology Program (NTP) Report on Carcinogens**

*No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.*

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

*No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.*

**Germ Cell Mutagenicity**

**In Vitro**

*No mutagenic components identified.*

**In Vivo**

*No mutagenic components identified.*

**Reproductive Toxicity**

*None known.*

**Specific Target Organ Toxicity – Single Exposure**

*None known.*

**Specific Target Organ Toxicity – Repeated Exposure**

*None known.*

**Aspiration Hazard**

*Not classified.*

**Other Effects**

*None known.*

**Section 12: Ecological Information**

**Ecotoxicity**

**Acute Hazards to the Aquatic Environment**

**Fish**

*No data available.*

**Aquatic Invertebrates**

*No data available.*

**Toxicity to Aquatic Plants**

*No data available.*

**Chronic Hazards to the Aquatic Environment**

**Fish**

*No data available.*

**Aquatic Invertebrates**

*No data available.*

**Toxicity to Aquatic Plants**

*No data available.*

**Persistence and Degradability**

**Biodegradation**

*There are no data on the degradability of this product.*

**BOD/COD Ratio**

*No data available.*

**Bioaccumulative Potential**

**Bioconcentration Factor (BCF)**

*No data available on bioaccumulation.*

**Partition Coefficient n-octanol / water (log Kow)**

*No data available.*

**Mobility in Soil**

*The product is water soluble and may spread in water systems.*

**Other Adverse Effects**

*No data available.*

**Section 13: Disposal Considerations**

**Disposal Instructions**

*Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers to help prevent combustion.*

**Contaminated Packaging**

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

### Section 14: Transportation Information

#### US Department of Transportation (DOT)

This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

### Section 15: Regulatory Information

#### US Federal Regulations

##### Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)

This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

##### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)

No chemical(s) in this material are subject to the reporting requirements of CERCLA.

##### Clean Air Act (CAA), Section 112(r)

No chemical(s) in this material are subject to the reporting requirements of CAA.

##### Emergency Planning and Community Right-To-Know Act (EPCRA)

###### EPCRA 302 Extremely Hazardous Substance

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

###### EPCRA 304 Emergency Response Notification

No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

###### EPCRA 311/312 Emergency and Hazardous Materials Reporting

Fire Hazard: No  
Sudden Release of Pressure: No  
Reactive: No  
Acute (Immediate) Health Hazard: No  
Chronic (Delayed) Health Hazard: No

###### EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting

This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### US State Regulations

##### California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

### Section 16: Other Information

#### Hazardous Materials Identification System (HMIS®) Classification

! Health Hazard: 0  
! Chronic Health Hazard: / \*  
! Flammability: 0  
! Physical Hazard: 0  
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

#### National Fire Protection Association (NFPA 704) Rating

! Health Hazard: 0  
! Fire Hazard: 0  
! Reactivity Hazard: 0  
! Special: N/A W OX COR POI  
(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

! Prepared By: Regulatory Manager  
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! Revisions: -

#### Key to Abbreviations and Acronyms

ATE - Acute Toxicity Estimate	ACGIH - American Conference of Industrial Hygienists
BCF - Bioconcentration Factor	AIHA - American Industrial Hygiene Association
EC50 - Effective concentration, 50%	BEL - Biological Exposure Indices
IDHL - Immediately Dangerous to Life and Health	CAS - Chemical Abstracts Service
Kg - Kilogram	DOT - US Department of Transportation
l - Liter	EPA - US Environmental Protection Agency

lb – Pound  
LC50 – Lethal Concentration, 50%  
LD50 – Lethal Dose, 50%  
mg – milligram  
ml – milliliter  
N/A – Not Applicable  
N/D – Not Determined  
PEL – Permissible Exposure Limit  
REL – Recommended Exposure Limit  
STEL – Short-term Exposure Limit  
TWA – Time weighted average

GHS – Globally Harmonized System of Classification and Labelling of Chemicals  
IARC – International Agency for Research on Cancer  
IATA – International Air Transport Association  
IBC – Intermediate Bulk Container  
IMDG – International Maritime Dangerous Goods  
NIOSH – National Institute for Occupational Safety and Health  
NTP – National Toxicology Program  
OSHA – US Occupational Health and Safety Administration  
SARA – US EPA Superfund Amendments and Reauthorization Act  
TSCA – US EPA Toxic Substances Control Act  
UN – United Nations

**References**

HSDB® – Hazardous Substances Data Bank

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