

# SAFETY DATA SHEET

Issuing Date 09-Jan-2013

Revision Date 03-Oct-2019

Revision Number 3

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Name **METHYL LINOLEATE**

### Other means of identification

Product Code 3508100  
CAS Number 112-63-0  
Formula C19H34O2  
Synonyms 9,12-Octadecadienoic Acid (9Z,12Z)-, Methyl Ester; Methyl Linoleate

### Recommended use of the chemical and restrictions on use

Recommended Use Aromas  
Uses advised against Do not use where contact with food or drinking water is possible. Avoid prolonged contact with eyes, skin, and clothing.

### Details of the supplier of the safety data sheet

Supplier Address ACETO US, LLC  
4 Tri Harbor Court  
Port Washington, NY 11050-4661  
Phone: (516) 627-6000  
Fax: (516) 627-6093  
Email: aceto@aceto.com

### Emergency Telephone Number(s)

ChemTrec: 1-800-424-9300 Outside of the United States: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

#### Appearance

Pale Yellow to Dark yellow

#### Physical State

Liquid

#### Odor

Irritating

### Hazards not otherwise classified (HNOC)

None known

### Other Information

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Synonyms** 9,12-Octadecadienoic Acid (9Z,12Z)-, Methyl Ester; Methyl Linoleate

**Formula** C19H34O2

Chemical name	CAS No.	Weight-%	North American Hazard Indicator
Methyl Linoleate	112-63-0	100	False

### 4. FIRST AID MEASURES

#### First Aid Measures

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

**Skin Contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.

**Inhalation** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.

**Ingestion** Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

**Self-Protection of the First Aider** Use personal protective equipment as required. Avoid contact with eyes, skin and clothing.

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

**Signs and Symptoms** No information available.

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

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Water spray. Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO2).

**Unsuitable Extinguishing Media** No information available.

**Hazardous Combustion Products** Carbon oxides. Thermal decomposition or combustion may produce hazardous gases and/or materials.

**Explosion Data** Not available

**Sensitivity to mechanical impact** Not available.

**Sensitivity to static discharge** Not available.

#### Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with eyes, skin and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental Precautions**

Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.

**Methods and material for containment and cleaning up****Methods for Clean-up**

Evacuate personnel to safe areas. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling****Handling**

Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Do not breathe vapours or spray mist. Avoid contact with eyes, skin and clothing. Avoid repeated exposure.

**Conditions for safe storage, including any incompatibilities****Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Keep away from heat. Sensitive to air.

**Incompatible Materials**

Cadmium.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl Linoleate 112-63-0	-	-	-

**Appropriate engineering controls****Individual protection measures, such as personal protective equipment****Eye/Face Protection**

Tight sealing safety goggles.

**Skin and body protection**

Use suitable eye protection and gloves.

**Respiratory Protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Pale Yellow to Dark yellow	
<b>Physical State</b>	Liquid	
<b>Odor</b>	Irritating	
<b>Odor Threshold</b>	No information available	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
pH	No Data Available	
Melting point / Freezing point	-35 °C	Literary Reference
Boiling point / boiling range	(@ 11 mm) 192 - 208 °C	
Flash Point	113 °C	CC (closed cup)
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air	No information available	
Upper flammability limit	No information available	
Lower flammability limit	Not available	
Vapor Pressure	No information available	
Vapor Density	Not available	
Specific Gravity	0.89 g/cm <sup>3</sup>	
Water Solubility	Insoluble in water	
Solubility in other solvents	No information available	
Partition coefficient: n-octanol/water	Not available	
Autoignition temperature °C	No Data Available	Estimated
Decomposition temperature	No Data Available	
Kinematic Viscosity	No information available	
Dynamic Viscosity	Not available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### Other Information

<b>Softening Point</b>	No information available
<b>Molecular Weight</b>	294.47
<b>VOC content</b>	No information available
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available
<b>Corrosion characteristics</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not applicable.
<b>Chemical Stability</b>	Stable under recommended storage conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks. Sensitive to air. Excess heat.
<b>Incompatible Materials</b>	Cadmium.
<b>Hazardous Decomposition Products</b>	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

## 11. TOXICOLOGICAL INFORMATION

**Product Information** No information or data specific to the product on this toxicological (health) effect is available

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl Linoleate	-	-	-

#### Information on likely routes of exposure

Eyes	Avoid contact with eyes.
Skin	Avoid contact with skin.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not take internally.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Serious eye damage/irritation	No information available.
Skin Corrosion/Irritation	No information available.
Sensitization	No information available.
Reproductive Effects	No information available.
Mutagenic Effects	No information available.
Developmental Effects	No information available.
STOT - single exposure	No information available.
STOT - Repeated Exposure	No information available.
Chronic Toxicity	Avoid repeated exposure.
Aspiration Hazard	No information available.

## 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

There is no known ecological information for this product

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Methyl Linoleate 112-63-0	-	-	-	-

**Persistence/Degradability** No information available.

**Bioaccumulation/Accumulation** No information available.

**Mobility in Soil** No information available.

Chemical name	log Pow =
Methyl Linoleate 112-63-0	-

**Other adverse effects** No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal Methods** Should not be released into the environment. Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**RID** Not regulated

**ADR** Not regulated

**ADN** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

**TSCA** Complies  
**Canada (DSL)** Complies  
**EU (EINECS)** Complies  
**EU (ELINCS)** Does not comply  
**Japan (ENCS)** Complies  
**China (IECSC)** Complies  
**Korea (KECL)** Complies  
**Philippines (PICCS)** Complies  
**Australia (AICS)** Complies  
**Mexico INV** Complies  
**Taiwan INV** Complies

Chemical name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)	
Methyl Linoleate	Present	Present	X	-	
Component	Japan (ENCS)	China (IECSC)	Korea (KECL)	Philippines (PICCS)	Australia (AICS)

	Present (2)-798,(2)-1085	Present	Present	Present	Present
<b>Chemical name</b>		<b>Mexico INV</b>		<b>Taiwan INV</b>	
Methyl Linoleate 112-63-0		Present		Present	

### *Federal Regulations*

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

#### **VOC content**

This Product does not contain any VOCs

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### *State Regulations*

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **State Right-to-Know**

This product does not contain any State Right-to-Know chemicals.

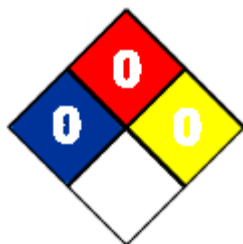
#### **U.S. EPA Label Information**

**EPA Pesticide Registration Number** Not applicable

Canada

**WHMIS Statement**

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

**16. OTHER INFORMATION****NFPA****Health** 0**Flammability** 0**Instability** 0**Physical Hazard** 0**Issuing Date**

09-Jan-2013

**Revision Date**

03-Oct-2019

**Revision Summary**

Not available

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**