

# Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH), Annex II  
(COMMISSION REGULATION (EU) No 453/2010)

Version: 1.0/EN  
Product name: Epoxy fatty acid methyl ester

Revision date: 23/11/2011  
Printing date: 23/11/2011

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Epoxy fatty acid methyl ester  
REACH Reg. No.: No registration number is given yet for the ingredients in the product.

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

Identified uses: Plasticizer  
Uses advised against: No information available.

### 1.3 Details of the supplier of the SDS

Manufacturer: Hebei Jingu Grease Technology Co. Ltd.  
Address: Guowangsong Industry District, Tiangongying Town, Xinji City, Shijiazhuang, Hebei Province, China  
E-mail: Goldensales01@hbjingu.com  
Telephone: +86-311-83402998  
Fax: +86-311-83402998

Importer:  
Address:  
E-mail:  
Telephone:



### 1.4 Emergency telephone number

+86-311-83402998

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008[CLP]

This product is not classified as hazardous.

#### Classification according to Directive 67/548/EEC[DSD] or Directive 1999/45/EC[DPD]

This product is not classified as hazardous.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008[CLP]

**Hazard pictogram(s):** No pictogram is used.

**Signal word:** No signal word is used.

**Hazard statement(s):** No hazard statement.

**Precautionary statement(s):** No precautionary statement.

**Supplemental Hazard information (EUH):**

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No information available.

## Special rules for supplemental label elements for certain mixtures:

No information available.

### 2.3 Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.1 Mixture information

#### Ingredients information:

Ingredient name	CAS No.	Classification under DSD	Classification under CLP	% (w/w)
Methyl linoleate methyl ester	112-63-0	Not classified.	Not classified.	53 - 56
Methyl oleate methyl ester	112-62-9	Not classified.	Not classified.	23 - 26
Palmitic acid methyl ester	112-39-0	Not classified.	Not classified.	8 - 12
Linolenic acid methyl ester	301-00-8	Not classified.	Not classified.	3 - 5
Stearic acid methyl ester	112-61-8	Not classified.	Not classified.	2 - 5
Methylarachidate	1120-28-1	Not classified.	Not classified.	1 - 1.5
Myristic acid methyl ester	124-10-7	Not classified.	Not classified.	0.8 - 1.1

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

In all cases of doubt, or when symptoms persist, seek medical attention.

#### Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if you fell unwell.

#### Following skin contact:

Wash with soap and plenty of water. Seek medical advice if skin irritant occurs.

#### Following eye contact:

Rinse carefully and thoroughly with water and seek medical advice.

#### Following ingestion:

Never give anything through mouth to an unconscious person. Rinse mouth with water.

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

No information available.

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## ***4.3 Indication of the immediate medical attention and special treatment needed***

No information available.

## **SECTION 5: Fire-fighting measures**

### ***5.1 Extinguishing media***

Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media:

### ***5.2 Special hazards arising from the substance or mixture***

Thermal decomposition can lead to release carbon oxides and other irritating or toxic fumes/gases.

### ***5.3 Advice for fire-fighters***

Wear self-contained breathing apparatus and chemical-protective clothing for firefighting if necessary.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **SECTION 6: Accidental release measures**

### ***6.1 Personal precautions, protective equipment and emergency procedures***

Refer to SECTION 8 for personal protective equipment. Prevention of skin and eye contact. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition.

### ***6.2 Environmental precautions***

Do not discharge into drains/surface waters/groundwater.

### ***6.3 Methods and material for containment and cleaning up***

Absorb spill with inert material, (e.g., dry sand or earth), then place into a suitable, closed containers for disposal.

### ***6.4 Reference to other SECTIONS***

See SECTION 7 for information on safe handling.

See SECTION 8 for information on personal protection equipment.

See SECTION 13 for information on disposal.

## **SECTION 7: Handling and storage**

### ***7.1 Precautions for safe handling***

Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required. Wash thoroughly after handling. Use this material with adequate ventilation. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash before reuse.

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Normal measures for preventive fire protection.

## 7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a cool, well-ventilated place.

Keep away from heat and ignition sources. Store away from sunshine, dampness, etc.

## 7.3 Specific end use(s)

Apart from the uses mentioned in SECTION 1.2 no other specific uses are stipulated.

## SECTION 8 : Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values:

Not established.

#### DNEL (Derived No Effect Level) for workers and the general population:

No DNEL values available.

#### PNEC (Predicted No Effect Concentration) values:

No PNEC values available.

### 8.2 Exposure controls

#### Appropriate engineering controls:

General industrial hygiene practice. Provide local exhaust or process enclosure ventilation system.

#### Personal protective equipment:

Eye and face protection: Wear protective eye/face protection.

Skin protection: Wear protective gloves/clothing to prevent contact.

Respiratory protection: In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls:

Do not empty into drains.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance:** Colorless or yellowish transparent liquid

**Odour:** Odourless

**pH:** 6.5

**Melting point:** 2°C

**Boiling point:** 320°C

**Flash point:** 188°C

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<b>Evaporation rate:</b>	Not available.
<b>Flammability (solid, gas):</b>	Non flammable.
<b>Upper/lower flammability or explosive limits:</b>	Not available.
<b>Vapour pressure:</b>	Not available.
<b>Vapour density:</b>	Not available.
<b>Density:</b>	0.945 - 0.960 g/cm <sup>3</sup>
<b>Solubility(ies):</b>	Insoluble in water.
<b>Partition coefficient: n-octanol/water:</b>	Not available.
<b>Auto-ignition temperature:</b>	Not available.
<b>Decomposition temperature:</b>	Not available.
<b>Viscosity:</b>	Not available.
<b>Explosive properties:</b>	Not available.
<b>Oxidising properties:</b>	Not available.

## 9.2 Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

### 10.2 Chemical stability

Stable under normal conditions of use.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

Flames, sparks, and other sources of ignition.

### 10.5 Incompatible materials

Strong acid, strong alkali, strong oxidizing materials.

### 10.6 Hazardous decomposition products

Carbon oxides and other irritating or toxic fumes/gases.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Acute toxicity:** No information available.

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<b>Skin corrosion/irritation:</b>	No skin irritation.
<b>Serious eye damage/irritation:</b>	No eye irritation.
<b>Respiratory or skin sensitization:</b>	No sensitization effect.
<b>Germ cell mutagenicity:</b>	No information available.
<b>Carcinogenicity:</b>	No information available.
<b>Reproductive toxicity:</b>	No information available.
<b>STOT-single exposure:</b>	No information available.
<b>STOT-repeated exposure:</b>	No information available.
<b>Aspiration hazard:</b>	No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

The mobility in soil is low since the product is insoluble in water.

### 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment information is not available as chemical safety assessment not conducted.

### 12.6 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal must be made according to local and national regulations. Empty containers should be taken for

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local recycling, recovery or waste disposal.

## SECTION 14: Transport information

### 14.1 Land transport (ADR/RID)

This product is not regulated as a hazardous material.

### 14.2 Sea transport (IMDG)

This product is not regulated as a hazardous material.

### 14.3 Air transport (IATA)

This product is not regulated as a hazardous material.

### 14.4 Additional information

No information available.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulation:

Authorisations: No information available.  
Restrictions on use: No information available.  
EINECS: All the ingredients are listed.  
DSD (67/548/EEC): All the ingredients are not listed.

#### Other chemical regulation:

CAS No.	USA	Canada	Australia	Korea	Japan	China
	TSCA	DSL/NDSL	AICS	ECL	ENCS	IECSC
112-63-0	Listed	DSL	Listed	Listed	Not listed	Listed
112-62-9	Listed	DSL	Listed	Listed	Listed	Listed
112-39-0	Listed	DSL	Listed	Listed	Listed	Listed
301-00-8	Listed	DSL	Listed	Listed	Not listed	Listed
112-61-8	Listed	DSL	Listed	Listed	Listed	Listed
1120-28-1	Listed	NDSL	Listed	Listed	Listed	Listed
124-10-7	Listed	DSL	Listed	Listed	Listed	Listed

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## SECTION 16: Other information

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## 16.1 Revision Information

Date of the previous revision: Not applicable.

Date of this revision: 23/11/2011.

Revision summary: The first new SDS

## 16.2 Abbreviations and acronyms

- CLP:** EU regulation (EC) No 1272/2008 on classification, labelling and packaging of chemical substances and mixtures.
- CAS:** Chemical Abstracts Service (division of the American Chemical Society).
- EINECS:** European Inventory of Existing Commercial Chemical Substances.
- DSD:** Dangerous Substance Directive (67/548/EEC).
- TSCA:** Toxic Substances Control Act, The American chemical inventory.
- DSL:** Domestic Substances List, The Canadian chemical inventory.
- AICS:** The Australian Inventory of Chemical Substances.
- ECL:** Existing Chemicals List, the Korean chemical inventory.
- ENCS:** Japanese Existing and New Chemical Substances.
- IECSC:** Inventory of existing chemical substances in China.

## 16.3 Key literature references and sources for data

Provided by company.

## 16.4 Relevant R-phrases/H-statements

Not applicable. This product is not classified as hazardous substance/mixture.

## 16.5 Training advice

Provide adequate information, instruction and training for operators.

## 16.6 Declare to reader

The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage. According to REACH Article 31(5), the SDS shall be supplied in an official language of the Member State(s) where the substance or mixture is placed on the market, unless the recipient Member State(s) concerned provide otherwise. It should also be noted that this SDS is applicable to the countries with English as an official language.

----- End of the SDS -----