

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: Epoxidized soybean oil

Revision date: 14/05/2012

Printing date: 14/05/2012

61SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Substance name: Epoxidized soybean oil
REACH Reg. No.: No registration number is given.
CAS No.: 8013-07-8

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

Identified uses: Used as plasticizer and stabilizer.
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: jingu001@yahoo.com.cn
Goldensales01@hbjingu.com
Telephone: +86-311-83402898
Fax: +86-311-83400898

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.

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Precautionary statement(s): No precautionary statement.

Supplemental Hazard information (EUH):

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 Substance/Preparation information

Substance name:	Soybean oil, epoxidized
Synonyms:	Epoxidized soybean oil, Flexol EPO
CAS No.:	8013-07-8
EC No.:	232-391-0
Purity:	100%

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:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor / physician.

Following skin contact:

Generally the product does not irritate the skin. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Following ingestion:

Rinse mouth with a plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of the immediate medical attention and special treatment needed

No information available.

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SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, carbon dioxide, dry sand.

Unsuitable extinguishing media: No information available.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating or toxic gases/vapors.

5.3 Advice for fire-fighters

Fire-fighters should wear appropriate breathing apparatus and protective equipment. Fire-fighting in the wind. Ensure adequate ventilation. Move container from fire area if it can be done without risk. Cool containers with water spray. Prevent fire-fighting water from entering surface water or groundwater. Evacuate all non-essential personnel.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Refer to SECTION 8 for personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up

Immediately cut off source of leaked chemical products. Remove all sources of ignition. Absorb spill with inert material, (e.g., dry sand or earth), then place into a chemical waste container.

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. Use this material with adequate ventilation. Keep away from heat, sparks, open flame, and hot surfaces - No smoking. Wash thoroughly after handling.

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. Keep away from incompatible materials. Store away from sunshine, dampness, etc.

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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:

Not available.

PNEC (Predicted No Effect Concentration) values:

Not available.

8.2 Exposure controls

Appropriate engineering controls:

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:	Yellowish viscous oilyliquid
Odour:	Odorless
pH:	Not available.
Melting point:	Not available.
Boiling point:	Not available.
Flash point:	280 °C.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Density:	0.985 g/cm ³

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Solubility(ies):	Insoluble in water. Soluble in hydrocarbons, ketone, esters, senior alcohol and other organic solvents. Slightly soluble in ethanol.
Partition coefficient: n-octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	325mpa.s
Explosive properties:	No explosion properties.
Oxidising properties:	No oxidizing properties.

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. Incompatible materials.

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.
Skin corrosion/irritation:	No skin irritation.
Serious eye damage/irritation:	No eye irritation.

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Respiratory or skin sensitization:	No sensitization effect.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Reproductive toxicity:	No information available.
STOT-single exposure:	No information available.
STOT-repeated exposure:	No information available.
Aspiration hazard:	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 local recycling, recovery or waste disposal.

SECTION 14: Transport information

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14.1 Land transport (ADR)

Not regulated.

14.2 Sea transport (IMDG)

Not regulated.

14.3 Air transport (IATA)

Not regulated.

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: CAS# 8013-07-8 is listed in.

DSD (67/548/EEC): CAS# 8013-07-8 is not listed in.

Other chemical regulation:

CAS No.	USA TSCA	Canada DSL	Australia AICS	Korea ECL	Japan ENCS	China IECSC
8013-07-8	Listed	Listed	Listed	Listed	Listed	Listed

15.2 Chemical Safety Assessment

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

SECTION 16: Other information

16.1 Revision Information

Date of the previous revision: Not applicable.

Date of this revision: 14/05/2012

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.

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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 -----