

# SAFETY DATA SHEET

Issuing Date No data available

Revision Date 29-Mar-2016

Revision Number 1

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

### Product Identifier

**Product Name** Epoxidized Soybean Oil (ESO)

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

**Recommended Use** Shredder Lubrication

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

**Supplier Name** DONGGUAN LINGCHUANG TECHNICAL ECO-MATERIALS CO., LTD.

**Supplier Address** ERP INDUSTRY DISTRICT, CHANG AN TOWN,  
DONGGUAN, GUANGDONG

**Supplier Phone Number** +86-769-82281018

**Supplier Fax** +86-769-8537 0913

## SECTION 2: Hazards identification

### Emergency Overview:

**Oily liquid Pale yellow Weak odor. Combustible liquid.**

### Human Health

#### Inhalation:

No adverse effect.

#### Ingestion:

No adverse effect. Large amount ingestion may cause nausea.

#### Skin:

No adverse effect

#### Eye:

May cause eye irritation, tearing and redness.

### Environmental

Chronic effects/carcinogenicity: Not applicable.

### Hazards

This material should pose no significant hazard to the environment.

## SECTION 3: Composition/information on ingredients

**Chemical Name** Soybean oil

**CAS No** 8013-07-08

## SECTION 4: First aid measures

### Eye contact

If contact with the eye(s) occur, wash with running water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. In all cases of eye contamination it is a sensible precaution to seek medical advice.

### Skin contact

Wash affected area thoroughly with copious amounts of running water. If symptoms develop seek medical attention.

### Inhalation

Unlikely to cause adverse effects.

### Ingestion

Do NOT induce vomiting. If a large amount has been swallowed, or if symptoms develop, seek medical attention.

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## SECTION 5: Firefighting measures

<b>Protective equipment and precautions for firefighters</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
<b>Extinguishing Media</b>	Water, foam, carbon dioxide and dry chemicals.
<b>Specific Hazards</b>	Combustible liquid.
<b>Hazardous Combustion Products</b>	Oxides of carbon.
<b>Other Information</b>	Flash point: 280°C (soybean oil) Explosive limits: Not applicable. Auto ignition temperature: Not applicable.

## SECTION 6: Accidental release measures

<b>Spills &amp; Disposal</b>	Remove all sources of ignition. Increase ventilation. Wear appropriate breathing apparatus and full protective clothing to minimize skin and eye exposure. Do not dilute material but contain. Place inert, non-combustible absorbent material onto the spillage. Collect the material using clean non-sparking tools and place into a suitable labeled container for subsequent disposal. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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## SECTION 7: Handling and storage

<b>Handling</b>	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurize or expose to open flame or heat. Keep container closed and bung in place.
<b>Storage</b>	Store in a cool, dry, well ventilated area, away from sources of ignition and out of direct sunlight. Keep containers closed when not in use. Store in suitable, labeled containers.

## SECTION 8: Exposure controls/personal protection

<b>Exposure Limits</b>	No exposure standards are available for this product.
<b>Respiratory Protection</b>	No respiratory protection should be needed.
<b>Eye Protection</b>	Generally not required. If there is a potential for exposure to vapors which could cause injury to the eye, wear chemical goggles.
<b>Hand Protection</b>	Not required.
<b>Body Protection</b>	Not required.
<b>Eng. Controls</b>	Provide general and/or local exhaust ventilation.

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## SECTION 9: Physical and chemical properties

Appearance	Oily liquid Pale yellow Weak odor
Solubility in Water	Floats on water. 0.01% (20°C)
Boiling Point (0.5Kpa)	150°C
pH Value	<=0.8
Vapor Pressure	Not applicable
Vapor Density (Air=1)	0.982~1.002
Flash Point	280°C (soybean oil)
Volatility	<0.15
Iodine value	<=3.0
Epoxy value	>=6.0

## SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Hazardous Polymerization	Will not occur.
Materials to Avoid	None known, avoid contact with reactive chemicals.
Hazardous Decomposition Products	Unknown.

## SECTION 11: Toxicological information

Inhalation:	No.
Ingestion:	No.
Skin:	No.
Eye:	No.
Effects of long-term (chronic) exposure	No.
Sensitivity	No data available for this substance.

## SECTION 12: Ecological information

Environ. Protection	Prevent this material from entering waterways, drains, sewers.
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## SECTION 13: Disposal considerations

Waste Disposal	If the material as supplied becomes a waste, incinerate or landfill in accordance with local, state, and federal laws and regulations. Contact your local or state environmental agency for specific rules.
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## SECTION 14: Transport information

U.N. Number	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated
DOT	Not Regulated
IATA/ICAO - Description	Not Regulated

IMDG UN No	Not Regulated
IMDG Hazard Class	Not Regulated
IMDG Pack. Group	Not Regulated
IMDG Marine	Not Regulated
Pollutant (MP)	

## SECTION 15: Regulatory information

	Product is not considered to be a hazardous chemical under the Hazard Communication Standard.
TSCA Inventory Status	Soybean oil is listed in TSCA Inventory.
DSL (Canada)	Soybean oil is listed in DSL.
TCCL (Korea)	Soybean oil is listed in TCCL.
PICCS (Philippines)	Soybean oil is listed in PICCS.

## SECTION 16: Other information

Prepared By	DONGGUAN LINGCHUANG TECHNICAL ECO-MATERIALS CO., LTD. ERP INDUSTRY DISTRICT, CHANG AN TOWN, DONGGUAN, GUANGDONG +86-769-82281018 +86-769-8537 0913
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Revision Date	2016/3/29
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**End of Safety Data Sheet**