

SAFETY DATA SHEET

1. Product and Company Identification
Product name: Epoxidized Soybean Oil
Synonyms: -
Recommended use and restrictions on use: Plasticizer-stabilizer for PVC articles.

2. Hazard Identification
Hazard Category: -
Labeled Contents: Symbols: - Signal word: - Hazard Warning Information: May be harmful if ingested Hazard Prevention Measures: Do not ingestion
Other Hazards: -

3. Composition / Information on Ingredients
Substances:
English name: Epoxidized Soybean Oil
Synonyms: -
CAS No.: 8013-07-8
Percentage for Chemical Ingredient: 100%

4. First-Aid Measures
First-aid measures for different exposure routes:
Inhalation: 1. Remove to fresh air. 2.If breathing is difficult, give oxygen. If not breathing, get immediate CPR. 3.Keep victim warm and get immediate medical attention.
Skin Contact: 1. Immediately wash with plenty of soap and water while removing contaminated clothing.
Eye Contact: 1. Wash the affected areas under running water for at least 15 minutes. 2.If necessary, get medical treatment.
Ingestion: 1. If victim awake, rinse his(her)mouth. 2.et drink with plenty of warm water or milk, and then induce vomiting. 3. Get immediate medical attention.
Most important symptoms and hazardous effects: -

Protection for First aider: Rubber gloves and Safety glasses

Prompt to Doctor: -

5. Fire-Fighting Measures

Extinguishing Media: dry powder, carbon dioxide, foam

Most important symptoms and hazardous effects: -

Protection for First aider: Rubber gloves and Safety glasses

Notes to Physician: No special requirements

6. Accidental Release Measures

Personal Precautions: Wear chemical safety goggles, and Use rubber gloves or chemical protective gloves.

Environmental Precautions:

1. If necessary, Equip ventilative equipment or facility
2. Remove all ignition sources

Methods for Cleaning Up:

1. Isolate the contaminated areas with dry sand, earth or clout to build temporary dikes in case of leakage enlarge.
2. Use clout to absorb spill or use similar method to treat, and then incinerate the clouts.
3. Clean with soap and water.

7. Handling and Storage

Handling: Avoid temperature over 45°C.

Storage:

1. Do not store at temperatures above 45°C.
2. Contamination from rust and sand...etc will lead to polymerization. It is suggested to put metal screen in the vents of all storage tanks. The regular cleaning of the metal screen should be done.
3. Under low temperature environment, storage tanks or vessels shall be equipped with heating instrument.

8. Exposure Control / Personal Protection

Exposure Control: /

Control Parameters			
TWA	STEL	CEILING	BEIs
-	-	-	-

Personal Protective Equipment:

Respiratory Protection: No special requirements.

Hand Protection: Rubber gloves.

Eye Protection: Chemical safety goggles.

Skin and Body Protection: Protective clothing, Protective boots.

Hygiene Procedures:

1. After work, remove the contaminated clothes as quickly as possible. Throw away or wash clothes thoroughly before wearing again. Notify the laundry personnel of the danger of the contaminated clothes.
2. Smoking and eating are strictly prohibited in work areas.
3. Wash hands thoroughly after handling this substance.
4. Keep the work area clean.

9. Physical and Chemical Properties

Appearance: Clear pale yellow, Fatty Liquid	Odor: mild oily odor
Odor threshold: -	Melting point: -
pH: /	Boiling Point/Boiling Range:
Flammability: /	Flash Point: 600°F
Decomposition temperature: -	Test Method: Open Cup
Autoignition temperature: -	Explosion limits: -
Vapor pressure: -	Vapor density: -
Density: 0.982~1.002(water=1)	Solubility: 0.01% (20°C)
n-octanol/water (log kow): -	Percent Volatile: -

10. Stability and Reactivity

Stability: Stable

Special Conditions of Hazardous Reaction:

Hazardous polymerization will occur when the temperature of storage above 45°C

Conditions to Avoid: Avoid temperature over 45°C.

Incompatibility: strong acids

Hazardous Decomposition Products: -

11. Toxicological Information

Exposure route: skin contact, eye contact, inhalation, ingestion

Symptoms: -

Acute toxicity:

inhalation: -

eye contact: irritate eyes.

skin contact: few people will be allergic skin.

Ingestion: LD50 (test animal, absorption route): 4700 mg/kg (Rat, ingestion)

Chronic Toxicity or delayed Toxicity: -

12. Ecological Information

Eco-toxicity:

LC50(fish): - EC50(Daphnia): -

Bio-concentration factor(BCF): -

Persistence and degradability:

Half-life cycle (Air): -

Half-life cycle Water surface) : -

Half-life cycle Groundwater) : -

Half-life cycle Soil) : -

Bioaccumulative potential: -

Mobility in soil: -

other adverse effect: -

13. Disposal Considerations

1. Waste Disposal: Incineration.

2. Waste disposal should be in accordance with local environmental regulations

14. Transport Information

UN number: -

UN transport name: -

Transport hazard class: -

Packing group: -

Marine pollution(Yes/No) : No

Special transport way and note: Material is not classified as Dangerous Goods as per IATA

15. Regulatory Information

Apply Regulation:

1. Enforcement Rules of the Labor Safety and Health Act
2. Regulations of Hazard Communication on Dangerous and Harmful Material
3. Standards of Tolerable Hazardous Substance Concentration in the Air of Labor Working Environment
4. Traffic Safety Regulations
5. Standards for the Storage, Clearance, and Disposal of Industrial Waste

16. Other Information

Literature references: None

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date	2013/01/10	
Note	The "-" symbol in the text above indicates that there is no current available data while the "/" symbol indicates that this field is not applicable to this substance	

All of the MSDS data are for reference only. The users should judge the usability by themselves.