

Safety Data Sheet(SDS)

According to GHS

Report No.: SZC1805290001

Date: May 29, 2018

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Section 1 - Identification of the substance/preparation and of the company/undertaking

Product identifier

Product Name Epoxidized soybean oil

File Numbers SZC18020286452

Main Component Vegetable Oil

Features Biodegradable

Export to Australia

Transport Fashion Sea

Details of the supplier of the safety data sheet

Manufacture/Supplier Officeworks Ltd.

Address 236-262 East Boundary Road, Bentleigh East VIC 3165,
Australia

Tel: 1300 633 423

ABN: 36 004 763 526

Emergency Phone Number: Australia – 13 11 26 (Poisons Information
Centre)

Section 2 - Hazards Identification

	Min	Max
Flammability	1	0=Minimum
Toxicity	0	1=Low
Body Contact	2	2=Moderate
Reactivity	1	3= High Chronic
	2	4= Extreme

GHS classification

Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, STOT - SE (Resp. Irr.) Category 3, Oxidizing Liquid Category 3

Label elements:



SIGNAL WORD:

WARNING

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Section 3 –Composition/Information on Ingredient

Ingredient Name	CAS No.	EC No.	Content (%)
Linoleic acid	60-33-3	200-470-9	56
Oleic acid	112-80-1	204-007-1	36
Palmitic acid	57-10-3	200-312-9	2.7
Stearic acid	57-11-4	200-313-4	5.3

Section 4 - First Aid Measures

INGESTION

- Immediately give a glass of water.
- First aid is not generally required. If in doubt, contact – **13 11 26 (Poisons Information Centre in Australia)** or a doctor.

EYE

If this product comes in contact with the eyes:

- Wash out immediately with fresh running water.
- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

INHALED

- If fumes or combustion products are inhaled remove from contaminated area.
- Lay patient down. Keep warm and rested.
- Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
- Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.
- Transport to hospital, or doctor, without delay.

NOTES TO PHYSICIAN

- Treat symptomatically.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA

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- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

FIRE FIGHTING

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.
- Use water delivered as a fine spray to control fire and cool adjacent area.

FIRE/EXPLOSION HAZARD

- Combustible.
- Slight fire hazard when exposed to heat or flame.
- Heating may cause expansion or decomposition leading to violent rupture of containers.
- On combustion, may emit toxic fumes of carbon monoxide (CO).

FIRE INCOMPATIBILITY

- Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

Section 6 –Accidental Release Measures

MINOR SPILLS

- Slippery when spilt.
- Remove all ignition sources.
- Clean up all spills immediately.
- Avoid breathing vapours and contact with skin and eyes.

MAJOR SPILLS

Slippery when spilt.

- CARE: Absorbent materials wetted with occluded oil must be moistened with water as they may auto-oxidize, become self heating and ignite.
- Some oils slowly oxidise when spread in a film and oil on cloths, mops, absorbents may autoxidise and generate heat, smoulder, ignite and burn. In the workplace oily rags should be collected and immersed in water.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

Section 7 - Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

DO NOT allow clothing wet with material to stay in contact with skin.

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Rags wet / soaked with unsaturated hydrocarbons / drying oils may auto-oxidise; generate heat and, in-time, smoulder and ignite. This is especially the case where oil-soaked materials are folded, bunched, compressed, or piled together - this allows the heat to accumulate or even accelerate the reaction.

Oily cleaning rags should be collected regularly and immersed in water, or spread to dry in safe-place away from direct sunlight or stored, immersed, in solvents in suitably closed containers.

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Store in original containers.
- Keep containers securely sealed.
- No smoking, naked lights or ignition sources.
- Store in a cool, dry, well-ventilated area.

SUITABLE CONTAINER

- Glass container is suitable for laboratory quantities
- DO NOT use aluminium or galvanised containers
- Metal can or drum
- Packaging as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

STORAGE INCOMPATIBILITY

- Materials soaked with plant/ vegetable derived (and rarely, animal) oils may undergo spontaneous combustion
- Avoid reaction with oxidising agents

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

Section 8 - Exposure Controls, Personal Protection

APPROPRIATE ENGINEERING CONTROLS

Care: Atmospheres in bulk storages and even apparently empty tanks may be hazardous by oxygen depletion. Atmosphere must be checked before entry.

Requirements of State Authorities concerning conditions for tank entry must be met. Particularly with regard to training of crews for tank entry; work permits; sampling of atmosphere; provision of rescue harness and protective gear as needed

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.

PERSONAL PROTECTION



EYE AND FACE PROTECTION

- Safety glasses with side shields

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- Chemical goggles.
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

SKIN PROTECTION

See Hand protection below

HANDS/FEET PROTECION

- Wear chemical protective gloves, e.g. PVC.

Wear safety footwear or safety gumboots, e.g. Rubber

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.

BODY PROTECTION

See Other protection below

OTHER PROTECTION

- Overalls.
- P.V.C. apron.
- Barrier cream.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical

properties Color	Light yellow
Form	Liquid
Odor	Soybean oil fragrance
Melting Range (°C)	150°C
Boiling Range (°C)	5°C
Flash Point (°C)	>250°C
Decomposition Temp (°C)	No data.
Autoignition Temp (°C)	No data.
Upper Explosive Limit (%)	No data.
Lower Explosive Limit (%)	No data.
Volatile Component (%vol)	No data.
Molecular Weight	About 1000
Viscosity	No data.
Solubility in water (g/L)	Slightly soluble in water
pH (1% solution)	No data.
pH (as supplied)	No data.

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Vapour Pressure (kPa)	No data.
Specific Gravity (water=1)	0.985
Relative Vapour Density (air=1)	No data.
Evaporation Rate	Not easy evaporation

Section 10 - Stability and Reactivity

REACTIVITY

See section 7

CHEMICAL STABILITY

- Unstable in the presence of incompatible materials.
- Product is considered stable.
- Hazardous polymerisation will not occur.

Section 11 - Toxicological

Information Information on

toxicological affects Acute Toxicity

LD/LC50 values relevant for classification

No data.

Primary irritant effect

On the skin

No data.

On the eyes

No data.

Inhaled

No data.

Sensitization

No data.

Section 12 - Ecological Information

Ecotoxicity

Ingredient	Persistence: Water/Soil	Persistence: Air	Bioaccumulation	Mobility
Linoleic acid	LOW	LOW	LOW	LOW
Oleic acid	LOW	LOW	LOW	LOW
Palmitic acid	LOW	LOW	LOW	LOW
Stearic acid	LOW	LOW	LOW	LOW

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Section 13 - Disposal Considerations

Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.

A Hierarchy of Controls seems to be common - the user should investigate:

- Reduction
- Reuse
- Recycling
- Disposal (if all else fails)

This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.

Section 14 - Transport Information

Labels Required

Marine Pollutant: NO

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: ADR, IATA, IMDG,ADN

Section 15 - Regulatory Information

REGULATIONS

The product needs to follow local regulations.

Section 16 - Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This information of section 1,3 and 9 is provided by Dongguan Raofeng Electric Co.,Ltd

*** End ***

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