



# Makwell Organics Pvt. Ltd.

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## MATERIAL SAFETY DATA SHEET (M.S.D.S.)

Product Name: EPOXIDISED SOYABEAN OIL **MAKPLAST SNS**

Product Synonym(s): EPOXIDISED SOYABEAN OIL

Chemical Formula: NA

### COMPOSITION / INFORMATION OF INGREDIENTS

Ingredient Name: EPOXIDISED SOYABEAN OIL

CAS Registry No: 8013-07-8

Typical Wt. % : 100

### HAZARDS IDENTIFICATION

Emergency Overview	No data available
Adverse Human Health effects	Eye: Irritant, Animal tests indicate lowest rating for corneal injury.
Environmental Effects	No data available
Physical and Chemical hazards	No data available
Specific Hazards	No data available

### FIRST AND MEASURES

Inhalation	Move affected person to fresh air. In case of respiratory system or mucous membranes, or if you feel unwell or in case of prolonged exposure, get medical attention.
Ingestion	Rinse mouth. Induce vomiting and transport to hospital.
Skin Contact	When it is adhered to the skin, wash it out with soap.
Eye contact	In the event of eye contact, flush with great amounts of water
Protection of First Aiders	When it is adhered to the skin, wash it out with soap.
Notes to physician	Treat symptomatically.

### FIRE FIGHTING MEASURE

Extinguishing Media	Sand, earth, dry powder, carbon dioxide, foam or water spray (fog)
Fire and explosion Hazards	Carbon dioxide and some carbon monoxide Special Firefighting Procedures In case it is impossible to remove the materials from the origin of fire, abundant water spray should be used to cool fire exposed building or structures exposed fire prevent the fire from spreading and extinguish it.
Special equipment for the	Either allow fire to burn out under controlled conditions
Protection of Firefighters	or extinguish with foam or dry chemicals.



## ACCIDENTAL RELEASE MEASURES

Personal Precautions	When contacting with skin, wash immediately with soap
Environmental precautions	When it is leaked, wipe it off with a rag cloth or the like. Absorb with dry sand or earth and place in steel or plastic containers for disposal.
Methods for cleaning Up	Minor leaks and residues should be hosed down with water and detergent.

## HANDLING AND STORAGE

Handling	Spills and Disposal: Spills: Material is slippery – avoid accidents. Disposal: Refer to local Waste Disposal Authority.
Storage	Drums should be stores above 10°C to avoid “winterizing” in cold weather. Do not store at temperature above 45°C. Under low temperature environment, storage Tanks or vessels shall be equipped with heating instrument.

## EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measure	The American Conference of Governmental Industrial Hygienists (ACGIH) or National Occupational Health and Safety Commission have not established a Threshold Limit Value (TLV) but LD50, rats: 23 g/kg
Control parameters	At PVC processing temperatures good ventilation is essential to remove all fumes generated by the PVC formulation. Limit values : ND Biological Standards : LD 50, rats : 23 g / kg.
Personal Protective Equipment	- Respiratory Protection : Normally not necessary at room temperature. - Hand Protection : PVC gloves - Eye Protection : Goggles - Skin and Body Protection: Overalls, boots and apron
Specific Hygiene Measures	When using, don't eat or drink.

## PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Clear pale yellow, Oily
Ordor	Faint Fatty
Boiling Point	NA
Melting Point	NA
Viscosity @ 30°C	Approx. 300 CP
Solubility	Practically insoluble in water
PH	Not applicable
Stability	Product is stable under normal conditions
Hazardous Decomposition	None
Product	
Vapor pressure	Negligible
Specific Gravity	0.987-0.99
Flash point	approx. 291°C



## STABILITY AND REACTIVITY

Stability	Stable
Possible Hazardous Reactions	Hazardous polymerization will occur when the Occurring under specific temperature of storage above 45°C conditions
Conditions to Avoid	Avoid contacting with strong acid and rust at high temp.
Materials to Avoid	Reacts with strong acids and will hydrolyze slowly with water. The reactions are not hazardous but will impair the efficiency of the product. May react with powerful oxidizing agents.
Hazardous Decomposition	Carbon monoxide and carbon dioxide during combustion Products or oxidation.

## TOXICOLOGICAL INFORMATION

Acute toxicity	The oral LD 50 for rats is 23 g/kg. Acute inhalation effects: May be irritating to the respiratory tract
Local effects	Not applicable
Sensitization	Not applicable
Chronic Toxicity or Long Term Toxicity	Not applicable
Specific effects	Not applicable

## ECOLOGICAL INFORMATION

Possible Environmental effects, Behavior and Fate	Not applicable
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## DISPOSAL CONSIDERATIONS

Recommended Methods for Safe and Environmentally Preferred disposal	: Incineration
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## TRANSPORT INFORMATION

International regulations	Not a hazardous or restricted item for transport by road, rail, sea or air.
UN classification Number	Not applicable
Specific Precautionary transport Measures and conditions	Not applicable

## REGULATORY INFORMATION

Applicable Regulations	Not applicable
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## OTHER INFORMATION

NFPA Ratings	HEALTH HAZARD : 1 FLAMMABILITY : 1 REACTIVITY : 1 SPECIFIC HAZARD : None
Label Hazard warning	Not applicable