

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF PRODUCT AND COMPANY

Trade name : **GLOMUL MGD 95**  
Other identifier : Distilled Monoglyceride, Glyceryl Monostearate, Glycerin Monostearate  
Material number : MD-0020  
Recommended use : Food emulsifier  
Company name : Global Specialty Ingredients (M) Sdn Bhd  
Address : Lot No. 202, Jalan Sungai Pinang 5/7,  
Pulau Indah Industrial Park Phase 2A,  
42920 Port Klang, Selangor Darul Ehsan, Malaysia.  
Telephone number : +603-3101 3500  
Fax number : +603-3101 4500  
Email address : [gsi@gsi-worldwide.com](mailto:gsi@gsi-worldwide.com)  
Emergency telephone number : +6014 904 5625

## 2. HAZARD IDENTIFICATION

### Hazard Classification

Physical hazard : Not classified as dangerous.  
Health hazard : Not classified as dangerous.  
Environmental hazard : Not classified as dangerous.  
Other hazard : Not classified as dangerous.

### Label Elements

Signal word : Not classified as dangerous.  
Hazard symbol : Not classified as dangerous.  
Hazard statement : Not classified as dangerous.  
Precautionary statement : Not classified as dangerous.

Properties affecting health : Eye and skin contact may cause mild transient irritation.

## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

### Substance

Chemical Name : Glycerol Monostearate  
Synonym : 1,2,3-Propanetriol 1-Octadecanoate  
CAS No : 31566-31-1  
EINECS No : 250-705-4  
Ingredients or impurities that contribute to hazard: No data available

## 4. FIRST-AID MEASURES

Inhalation : If discomfort is felt, move to fresh air. Seek medical attention if irritation persists.  
Skin contact : Wash affected areas with water and soap. Seek medical attention if irritation persists.  
Eye contact : Immediately flush eyes with running water for at least 15 minutes. Remove any contact lenses.  
Seek medical attention if irritation persists.  
Ingestion : Rinse mouth thoroughly with water. Drink plenty of water. Seek medical attention if still feel unwell.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Use dry chemical and carbon dioxide foam. Treat as burning melted fat.
Unsuitable extinguishing media	: Water jet.
Specific hazards arising from the substance or mixture	: Powdered material may form explosive dust-air mixtures.
Special protective action for firefighters	: Use self-contained breathing apparatus and protective suit when fighting chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Avoid dust formation. If spilled, take caution, as material can cause surface to become very slippery.
Environmental precautions	: No special environmental precautions required.
Methods and materials for containment and cleaning up	: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum.

## 7. HANDLING AND STORAGE

Precautions for safe handling	: Ensure adequate ventilation. Avoid dust formation.
Conditions for safe storage	: The product must be stored in the manufacturer's original sealed container. The product must be stored under sheltered and well-ventilated warehouse, not exposed to moisture, direct sunlight, heat and flame. The product must be stored at cool and dry conditions in unbroken packaging. Deviation from these conditions may affect the stability of the product.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits	: Not applicable.
Appropriate engineering controls	: Ensure adequate ventilation. Local exhaust ventilation of dust/ vapour/ aerosol at the point of generation.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.
<u>Personal protective measures</u>	
Eye/ face protection	: Use safety glasses with side-shields.
Skin protection	: Wear suitable protective clothing.
Respiratory protection	: In case of insufficient ventilation, use effective dust mask.
Hand protection	: Use protective gloves.
Environmental exposure controls	: No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Beads
Colour	: White to pale yellowish
Odour	: Fatty odour
Melting Point/ Freezing Point	: Approximately 60 °C
Initial Boiling Point and Boiling Range:	> 250 °C/ > 482 °F (Estimate)
Flash Point	: > 100 °C/ > 212 °F (Cleveland Open Cup)
Solubility	: Insoluble in water. Soluble in fats, oils, & most organic solvents.
Other information	: No data available

## 10. STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical stability	: Stable under normal ambient temperature and conditions.
Possibility of hazardous reactions	: Hazardous polymerization will not occur.
Conditions to avoid	: Avoid direct fire, strong alkalis and strong oxidizers
Incompatible materials	: Strong alkalis and strong oxidizers
Hazardous decomposition products	: None

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	: No data available
Skin corrosion/ irritation	: No data available
Serious eye damage/ irritation	: No data available
Respiratory or skin sensitization	: No data available
Mutagenicity/ carcinogenicity	: No data available
Reproductive toxicity	: No data available
STOT - single/ repeated exposure	: No data available
Aspiration hazard	: No data available

## 12. ECOLOGICAL INFORMATION

Ecotoxicity	: Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants.
Persistence and degradability	: Readily biodegradable.
Bioaccumulation potential	: Bioaccumulation is unlikely.
Mobility	: The product is insoluble and floats on water.
Result of the PBT & vPvB assessment	: No data available
Other adverse effects	: No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal methods	: Dispose in accordance with local regulation.
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## 14. TRANSPORT INFORMATION

	Land Transport (ADR/RID)	Sea Transport (IMDG Code)	Air Transport (IATA)	Inland Waterways Transport (ADN)
UN Number	Not classified as dangerous goods under transport regulation	Not classified as dangerous goods under transport regulation	Not classified as dangerous goods under transport regulation	Not classified as dangerous goods under transport regulation
UN Proper Shipping Name	Not applicable	Not applicable	Not applicable	Not applicable
Transport Hazard Class	Not applicable	Not applicable	Not applicable	Not applicable
Packing Group	Not applicable	Not applicable	Not applicable	Not applicable
Additional Information	Not applicable	Not applicable	Not applicable	Not applicable

## 15. REGULATORY INFORMATION

Safety, health and environmental regulations/ legislation specific for the substance or mixture:

ENCS (Japan)	: 2-669
TSCA (USA)	: Listed
EINECS (EU)	: 250-705-4
AICS (Australia)	: Listed
DSL (Canada)	: Listed
KECL (Korea)	: KE-26398
PICCS (Philippine)	: Listed
IECSC (China)	: Listed
Chemical Safety Assessment	: No data available

## 16. OTHER INFORMATION

Revision no. : 3.0  
Revision date : 19/01/2021

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