Unilong Industry Co., Ltd

Add: No.2000 Shunhua Rd, High-Tech Zone , Jinan City, Shandong Province, China

Chemical Safety Data Sheet

1. Identification

Product Name: Polyglyceryl-2 oleate
Company name: Unilong Industry Co.,Ltd.
Address: No.2000 Shunhua Rd, High-Tech Zone, Jinan City, Shandong Province, China
Tel: +86 0531 55690071

2. Composition/Data on components

Chemical characterization: Polyglyceryl-2 oleate
Concentration: 98-100%
CAS:49553-76-6

3. Hazards identification

Appearance: Light yellow to yellow.
Hazard Category: Unmonitored.
Warning Statement: Avoid contact with eyes and skin. Avoid inhalation and do not eat.
Potential Health Impacts:
Eyes: No data.
Skin: If the skin comes into contact with the product, wash it thoroughly with water as soon as possible.
Inhalation: Inhalation is possible, unless a fog is generated. There are no known toxic effects and inhalation data.
Ingestion: May be irritating.

4. First Aid measures

Skin contact: If the skin comes into contact with the product, it should be thoroughly removed with water as soon as possible. Change heavily contaminated clothing and wash soiled skin.
Eye inhalation: Lift the eyelid immediately and rinse thoroughly with plenty of running water or saline. If you still have any redness, pain or discomfort in your eyes, you should seek medical attention as soon as possible.
Inhalation: Quickly remove from the scene to fresh air. If you have difficulty breathing, give oxygen. Medical treatment.
Ingestion: Remove substances from the mouth and drink plenty of water. If swallowed in large quantities or if symptoms worsen further, seek immediate medical attention.
Exacerbation of symptoms: Unknown.
Advice to doctors: All treatments should be based on the patient's symptoms, taking into account possible effects of this product interacting with other products.

5. Fire fighting measures

Dangerous characteristics: flammable in case of open flame and high heat.
Harmful combustion products: carbon monoxide, carbon dioxide.
Fire extinguishing methods and fire extinguishing agents: Firefighters must wear gas masks and full-body firefighting suits to extinguish the fire in the upwind direction. Move containers from the fire to an open area as much as possible. Water sprays keep the fire container cool until the extinguishing is complete. Containers in the middle of a fire must be evacuated immediately if they have changed color or if they are making noise from the safety pressure relief device. The escaping liquid is sprayed with water, diluted into a non-flammable mixture, and misted water is used to protect firefighters. Fire extinguishing agents: anti-soluble foam, dry powder, carbon dioxide, sand.
Fire extinguishing precautions: Fires in restricted spaces should be handled by trained personnel wearing oxygen masks.

6. Emergency response to leakage

Cleaning procedure: Absorb with a dry, inert substance and place in a suitable disposal container.
Other urgent recommendations: Levee spills. Prevent the material from entering sewers, waterways, or low areas.
Evacuation Procedures: Personnel not wearing protective equipment should not be in the area of the leak until the cleanup is complete.

7. Handling and storage

Precautions for operation: Pay attention to ventilation. Operators must be specially trained and strictly follow operating procedures. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace. Avoid contact with oxidants and acids. When handling, it is necessary to load and unload lightly to prevent damage to the packaging and containers. Equipped with corresponding varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment. Empty containers may leave harmful substances behind.
Storage precautions: Store in a cool, ventilated warehouse. Keep away from fire and heat sources. It should be stored separately from oxidants and acids, and should not be mixed. Equipped with the corresponding variety and quantity of fire-fighting equipment. The storage area should be equipped with emergency response equipment for spills and suitable containment materials.

8. Exposure controls/personal protection

Precautions for operation: Pay attention to local ventilation.
Personal Protection:
Eye/face protection: Wear chemical goggles or face shields.
Hand protection: Use impermeable gloves.
Skin protection: Workwear should be sufficient to protect against all contact with the skin.
Respiratory protection: No contact restrictions have been established.
Other: No special protection is required.

9. Physical and chemical properties

Appearance and character: light yellow to yellow.
HLB value: about 5.5.
Flash Point: ≥160° C.
Flammability: This product is not flammable, but should avoid contact with high temperature and strong heat environment.
Evaporation rate: No data.
Vapor pressure: 0kPa at 25° C
Solubility: It has a certain lipophilicity.
Main application: Mainly used as an emulsifier in cosmetics and food.

10. Stability and reactivity

Stability: stable under normal operating conditions.
Prohibited substances: strong oxidants, strong acids.
Avoid contact conditions: open flames, sun exposure, high temperatures.
Polymerization hazards: no hazardous polymerization reactions.
Decomposition products: not available.

11. Toxicological Information

Inhalation toxicity (rats): no data available.
Acute oral toxicity (rat) LD50: no relevant data.
Acute cutaneous toxicity LD50: No data available.
Irritation:
Skin irritation: no data available.
Eye irritation: no data available.
Allergenic: Non-sensitizing.
Mutagenicity: Non-mutagenic.

12. Ecological informations

Ecotoxicity: no data available.
Biodegradability: Biodegradable.
Bioconcentration: No relevant data.
Bioenrichment: No experimental data were identified.

13. Disposal considerations

Disposal method: Do not discharge into drains, waterways or above ground. Do not allow this substance to drain into the sewer/water system. The waste is operated in strict accordance with the national and local waste disposal requirements, and the substance is properly disposed of.
Container Handling and Disposal: Any containers or equipment should be sanitized after use. Empty containers should be placed at an approved waste disposal site.
Scrap residue/unused product: Empty containers or liners will also retain some product residue and be disposed of in a safe manner.

14. Transport information

Rail/Road (RID/ADR): Unlimited.
Ocean Shipping (IMO/IMDG): Unlimited.
Air Transport (ICAO-IATA): Unlimited.

15. Regulatory information

SARA Title III Hazard Rating:
Fire Hazard: None.
Reactivity Hazard: None.
Pressure Relief: None.
Direct Hazard: None.
Chronic Health Hazards: None.