

MATERIAL SAFETY DATA SHEET

1. Chemicals and Corporate Identification

Product Name: Polyethylene Glycol 400 Monooleate (PEG400MO)

Company: Wuxi Hazzchem International Trade Co., Ltd.

Address: Luda Road, Loshe Town, Huishan District, Wuxi, China

Zip Code: 214185

Emergency Phone: (+86)18005180339

2. Composition/Information on Ingredients

Composition: Produced via an esterification reaction between polyethylene glycol and plant oil-based oleic acid.

3. Risk Overview

GHS Classification: No

GHS marking Elements:

Marking: None

Warning: None

Hazard Description: None

Hazard Summary: No harm or minimal harm in case of product leakage.

Appearance: :colorless to pale yellow transparent liquid

Health risks: This product has a low vapor pressure, and the likelihood of inhalation poisoning during industrial exposure is minimal.

4. First aid measures

Eye contact: In case of contact, flush eyes with plenty of water or saline water. Get medical attention

Skin contact: In case of skin contact, Immediately remove contaminated clothing and shoes. wash affected areas with soap and water for 15 min.

Ingestion: If ingested, drink plenty of warm water, vomit. Get medical attention.

Inhalation: If inhaled, remove to fresh air. Get medical attention.

5. Fire safety measures

Suitable extinguishing media: H₂O, Water fog, Foam, Dry powder, Carbon dioxide (CO₂), sand

Combustion products hazard: Harmful Combustion products contains CO, CO₂, NO_x

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

6. Leakage emergency response

Personal precaution:

Isolate spill area, Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area.

Environmental protect:

Avoid run-off into ground, storm sewers, water

Spill and leak out operation:

In case of spills or release: Use appropriate personal protective equipment measures during clean-up. For small spills, use

asolid absorbent and place in disposal container. For large spills, dike the area to facilitate salvage or disposal. Avoid run-off into storm sewers.

7. Handling and storage

Procedure: Adhere to standard chemical safety precautions.

Storage: Store in sealed and dry packaging containers, avoiding contact with strong acids and isocyanates. Strictly avoid direct exposure to sunlight or rain.

Storage container materials: galvanized iron drums, plastic drums, etc.

Storage temperature: atmospheric temperature

Storage period: within 12 Months

8. Exposer controls/Personal protection

High concentration limit: not stated

Engineering Controls: Sealing operation is needed, Local exhaust ventilation is necessary

Personal Protective Equipment

Eye protection

Chemical safety goggles or safety glasses with side-shields.

Hand protection

leak-proof gloves, butyl rubber gloves, nitrated rubber gloves, chloroprene rubber gloves, etc. Skin and body protection

None required under normal conditions of use.

Additional Protective Measures

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product.

9. Physical and chemical properties

Appearance: yellow to amber-colored liquid

pH Value: 5.0-7.0

Cloud Point (0.5% aq.): 8-16

10. Stability and reactivity

Stability: Stable

Conditions to avoid: Avoid Direct light, heat, flames, sparks and other sources of ignition. Fire-fighting facilities is necessary

Materials to avoid: Oxidizing agents, Isocyanates, acid

Hazardous decomposition products

No hazardous decomposition under normal operation.

11. Toxicological information

Acute toxicity: No data available.

Eye irritation: No data available.

Skin irritation: No data available.

Hazard of inhalation: Ingestion generally poses no risk, as the vapor pressure of this substance is relatively low at room temperature.

Carcinogenicity: None.

KOREA:KOSHA: Not specified;

OSHA: Not specified;

NTP: Not specified;

IARC: Not specified;

ACGIH: Not specified;

Mutagenicity of germ cells: Not specified;

Long-term exposure effects: This substance has been used for many years with no evidence of adverse effects.

12. Ecology Information

Avoid runoff onto the ground, rainwater pipes, or water bodies.

13. Disposal considerations

Waste disposal method:

Waste gas treatment shall comply with the relevant local, provincial, or national regulations.

matters need attention:

When using or handling empty containers, comply with the relevant government regulations.

14. Transport information

UN No.: Not specified

Packaging marking: Not required

Packaging method: Packaged in galvanized iron drums or plastic drums.

Transportation Precautions: Before transportation, ensure the packaging container is intact and sealed. During transit, prevent leakage, collapse, falling, or damage to the container. Strictly avoid mixing with oxidizers, acids, or food-grade chemicals. Transport vehicles and vessels must be thoroughly cleaned and disinfected; otherwise, they shall not carry other goods. For maritime transport, the loading area should be located away from bedrooms and kitchens, and isolated from engine rooms, power sources, and other ignition sources.

15. Regulatory information

Legal Information: The following laws, regulations, and standards govern the safe use, storage, transportation, handling, classification, and management of chemicals.

16. Other Sections

Ingestion is harmful.

When handling newly molded PU products, appropriate protective measures should be taken with caution: these measures should be based on the product's performance parameters and the presence of any harmful substances—such as initial or reaction byproducts—as well as catalysts and release agents that may exist in the newly molded polyurethane product, which features an unstable surface.

Avoid skin contact with these substances. During process release, ensure the use of protective gloves and maintain this practice in routine procedures. The palms and fingertips of gloves should be coated with nitrile rubber, PVC, or polyurethane. It is recommended to wear protective clothing when handling newly molded PU products to prevent general accidents.

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Guidance departments: Production run Department

Data audit department: Technology Center

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