

MATERIAL SAFETY DATA SHEET

1. Chemicals and Corporate Identification

Product Name: Ethylene glycol polyoxyethylene polyoxypropylene block polyether (PF-2520)

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: The block copolymer formed by the reaction of ethylene glycol with ethylene oxide and propylene oxide

Risk Overview: This product series appears as a colorless, transparent liquid at room temperature, exhibiting neutral properties with no explosiveness or corrosiveness. Contact with human skin does not cause burns.

3. First aid measures

First Aid: In case of physical contact with another person, promptly rinse the affected area with clean water. This generally does not cause harm.

Generally: Upon contact with the body, immediately rinse with an ample amount of water.

Ingestion: Leave the scene promptly and move to an area with fresh air, or seek medical attention.

Skin: No first aid measures are required; however, for hygiene considerations, the skin of the affected area should be washed with

Eye: Rinse thoroughly with plenty of clean water; to ensure complete rinsing, open the eyelids. In severe cases, seek medical attention after rinsing.

Intake: Rinse the mouth with clean water; seek immediate medical attention if ingested in large quantities or if discomfort occurs.

4. Fire safety measures and appropriate fire extinguishing equipment

Appropriate fire extinguishing equipment: Water, foam, dry powder, carbon dioxide, 1211

Special explosion hazards: Combustible upon contact with open flame; does not explode

Combustion decomposition products: Carbon dioxide water

Safeguard : Keep away from open flames, high temperatures, and direct sunlight

5. Operation, Handling, and Storage

For finished products: In cases of significant leakage, the contaminated equipment may be recycled and reused after sedimentation, dehydration, and filtration. For minor leaks, the contaminated material can be adsorbed using quicklime or sawdust, collected, and disposed of in containers at a designated waste treatment facility.

Contaminated packaging: should not be used for packaging other items; it is advisable to wash and dry it thoroughly before reuse.

For transportation: use clean and dry 200kg painted paint barrels or plastic containers for packaging. Handle with care during transport to prevent water ingress, impact, or slipping.

Storage Requirements: Store in a dry, cool, and well-ventilated area, away from sunlight, heat sources, and high temperatures; open flames are strictly prohibited. The packaging container must be intact, sealed, and waterproof.

Shelf life: 1 year

6. Accident Handling Measures

Personal Protection: Wear work clothes, gloves, and appropriate personal protective equipment (PPE).

Environmental Protection: Do not scatter on the ground or flush into sewers.

Treatment Method: After recovery, undergo centralized dehydration and filtration treatment before reuse; do not dispose indiscriminately. For small quantities, collect and process centrally.

7. Personal Protective Equipment for Production Operations

Plant Requirements: cleanliness and hygiene standards, with explosion-proof ventilation.

Personal Protection: Wear work clothes, gloves, and appropriate personal protective equipment (PPE).

Respiration: Follow general chemical protection procedures, ensure adequate ventilation, and maintain fresh air.

Hands: Wear work gloves.

Skin and Body: Wear appropriate protective clothing and adhere to standard chemical handling precautions..

8. Physical and chemical properties

Appearance: Clear liquid

pH Value: 5-7

Water content: ≤0.2%

Cloud Point (0.5% aq.): 28

9. Stability and reactivity

Stability: Soluble in various solvents. Non-corrosive.

Packaging: Use clean and dry galvanized drums or plastic drums for packaging. Each drum contains 200±0.5 kg. Maintain a sealed container during storage and transportation. Avoid exposure to sunlight and rain.

10. Toxicological information

routes of invasion: inhalation, ingestion, skin contact.

Toxicity: Non-toxic and non-corrosive.

Genotoxicity: Not tested.

Irritancy: None.

11. Ecology Information

Not tested

12. Disposal considerations

Not checked

Please note: This chemical safety manual is formulated based on the safety requirements of our product. We recommend that each customer and recipient carefully review this document to establish appropriate precautions and confirm the correct usage methods and related procedures for this product.

13. Transport information

Transportation precautions: Non-hazardous material; isolate from acids and alkalis.

14. Other regulatory information

International laws and regulations: Hazard labels shall be included in accordance with Directive 78/83/EEC and its respective revised and adapted versions.

Registration: Hazardous XN Description: Harmful

R22: Ingestion is harmful.

S26: In case of eye contact, immediately rinse with plenty of water and seek medical attention.

S28: In case of skin contact, immediately rinse with disinfectant soap and plenty of water.

The handling of hazardous chemicals shall comply with current national laws and regulations.

15. Other Sections

Version Date: 2023.3.1

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Guidance departments: Production run Department

Data audit department: Technology Center

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