

MATERIAL SAFETY DATA SHEET

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1. Product and company identification

1) Product name: Powder

2) Color: white

3) company identification: ZHENGZHOU STORMJET MACHINERY CO., LTD

Address: Qianniu Rd and Wenzhu Rd, Hi-tech Dist., Zhengzhou, China 450000

Effective date: 2021-1-1

Expiry date: 2021-12-31



2. Chemical Name

100% Polyurethane CAS-NO.25135-73-3

3. Composition/component information

This product is a thermoplastic polyurethane elastomer with an elastomer content greater than 99.5%. This product does not contain any toxic ingredients. All additives are physically combined with the compound (that is, wrapped by it, and will not cause harm during use, handling and processing.

4. Overview of dangers

This product is not harmful at room temperature.

At the processing temperature (150,..., 250° C), if the ventilation is not smooth, smoke and gas may be generated, it may irritate the eyes, skin and respiratory system.

Molten polymer may cause burns to eyes and skin. Spilled particles may make people slip and fall.

No chronic harm.

Entry route: inhalation of steam, skin or eye contact with molten polymer. Carcinogenicity: International Cancer Research Center (IARC) Not included.

5. First aid measures

Inhalation: If inhaling process gas or decomposing material, move the sufferer to fresh air. If irritation develops or continues, consult a doctor for treatment.

Eye contact: Rinse with water, limited to physical effects.

Skin contact: Wash the contact surface with plenty of soap and water. If the molten material comes into contact with the skin, quickly cool it with water or ice, remove the adherents with the help of a doctor, and treat the burned surface.

Ingestion: Unknown adverse effects.

6. Fire protection measures

Combustion: In a fire, the polymer degrades, producing smoke, unidentified toxic gas, and irritating compounds (see column 10).

Extinguishing media: In the case of a small fire, use dry powder, CO₂, water spray or general-purpose foam to extinguish the fire. In case of large fire, use water spray, water mist or conventional fire fighting foam; do not use water jet to extinguish fire.

Fire-fighting equipment: firefighters should be equipped with positive pressure self-breathing

respirators and wear protective clothing to evacuate the crowd and isolate the source of fire.

7. Leakage emergency treatment

If it falls, clean it, put it in a container, reuse or discard it.

8. Processing and storage

Do not process the product above the recommended thermal processing temperature. In most cases, good ventilation measures should be provided. And set up local exhaust at the operating station. Avoid inhaling fumes and gases generated during thermal processing. Avoid inhaling the dust generated by the mechanical processing equipment of the product. When transporting this product, use proper grounding to avoid static electricity. Particles that fall on the floor can cause a person to fall.

Storage: In order to ensure the quality of the product, it is recommended to store it in a cold and dry area and tightly seal the packaging bag.

9. Exposure control/personal protection

Respiratory protection: In most cases, respiratory protection is not necessary. When processing at high temperature without sufficient ventilation, an air purifier with acceptance should be worn.

Eye protection: Wear safety goggles when there is a potential hazard from contact with solid particles or when steam causes eye discomfort.

Skin protection: Wear gloves when handling hot products during thermal processing.

10. Physical and chemical properties

Appearance: spherical particles

Odor: Slightly smell

Density: 1, ..., 1.40g/cm³

Solubility: insoluble in water

Melting point/range: between 125~230°C

11. Stability and reactivity

The product is stable at room temperature. Polymerization hazard: Cannot happen.

The vapor of molten polymer is water, carbon dioxide and other degradation products.

Hazardous degradation products: The decomposition gas has not been fully measured, but it may include CO, CO₂, and a small amount of nitrides, nitrogen oxides, hospitals, isocyanide, water vapor and the mentioned mixtures, and smoke. There may also be substances emitted during the thermal process.

Do not heat at temperatures above 260° C.



12. Ecological information

The products provided have no negative effects. No ecological tests were conducted. Because it is insoluble in water, the product has very low aquatic toxicity.

13. Disposal matters

Unused products are not considered as hazardous waste.

Do not pour the product into the sewer, on the floor or in the water.

According to local laws and regulations, waste products can be disposed of through landfill and incineration methods.



14. Shipping information

During transportation, this product is a non-dangerous product and is not regulated in domestic and international transportation.

15. Regulatory information

China: All ingredients in this product have been included in the "Inventory of Existing Chemical Substances in China".

European Inventory of Existing Chemical Substances (EINECS): All raw materials of this product are listed in EINECS. Toxic Substances Management Act (TSCA): All ingredients are in the TSCA detailed list

16. Other information

Disclaimer:

The purpose of providing the above information in this article is to promote health, safety and environmental knowledge. The data and information are truthfully given and the accuracy of the information is guaranteed, but all statements or suggestions do not assume any express or implied warranty.

The conditions or methods of processing, storage, use and disposal of this product are not within our control, and we are not responsible for this, and declare that we will not be responsible for any losses, compensations and other expenses caused thereby.

It is the responsibility of the user to comply with the laws and regulations of the corresponding countries and regions.