Polystone® M MSDS

Material Safety Data Sheet

Valid from January 1, 2008

Product: Polystone M-natural or colored (UHMW)

1. Identification of the substance/preparation and of the company/undertaking. Polystone M

Company
Röchling Engineered Plastics
Highway 321 N
Gastonia, NC 28053

2. Composition/Information on Ingredients

Chemical characteristics: Polyethylene, Additives
Carcinogenic Substances: Neither the base product nor any of the additives are known to be carcinogenic.

3. Hazards Identification

No particular hazards known.

4. First Aid Measures

Contact with Eyes: This product is in solid sheet form. Always use proper eye protection when cutting or machining this material. In the event that dust or particles contact the eyes during subsequent machining or cutting, administer eyewash in same manner consistent with company safety policy and consult physician. The particles are not considered to be otherwise hazardous.
Inhalation: N/A
Following Contact with Skin: After contact with molten product, cool quickly with cold water. Do not pull product from skin. See physician for medical treatment.

5. Fire Fighting Measures

Suitable Extinguishing Agents: water, foam, dry powder, carbon dioxide
Special Dangers: CO_2 and CO
Special Protective Equipment: For major fires, Self-contained breathing apparatus and personal protective equipment may be needed for large fires.

6. Handling and Storage

Product includes a combustible polymer. Store in a manner as not to expose to open flame or temperatures above the crystalline melt range listed below.

7. Exposure Controls/Personal Protection

General Protective Measures: No protective clothing is required for handling this product. Avoid contact of molten material with the skin.

8. Accidental Release Measures

None Required

9. Physical and Chemical Properties

Appearance: solid plastic
Odor: None
Physical Characteristics: Crystalline Melt Temperature: 120-140°C
Ignition Temperature: >360°C
Solubility: Non Soluble in Water

10. Stability and Reactivity

Thermal Decomposition: >390°C
Hazardous Reactions: No hazards known.

11. Toxicological Information

Remarks: According to experience, this product is considered to be harmless to health if handled in the correct manner.

12. Ecological Information

Disposal: This product can normally be disposed of as normal solid waste for landfills. However, Röchling Engineered Plastics holds no liability for disposal of this product. It is the user responsibility to comply with all local and state laws for proper disposal. Always consult the local regulatory agencies for proper disposal.
Remarks: : The product is insoluble in water. Specific tests have not been run on this specific product, but it is not expected to be harmful to fish or bacteria. Always comply with local regulatory agencies for rules for proper disposal.

13. Transport Information

This product is considered a non-hazardous product.

14. Regulatory Information

None specified. Always check with local authorities.

15. Other Information

This information is believed by the technical staff at Röchling Engineered Plastics to be true and accurate for the normal and intended use of this product as of the date that this MSDS sheet was produced. Since Röchling Engineered Plastic has no control over the actual use of this product, it is sole responsibility of the user to determine the proper protection with regards to safety and disposal of this product. Röchling Engineered Plastics further recommends consulting local regulatory agencies to determine applicable laws and regulations.