

SAFETY DATA SHEET

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Revision No. 2

POLYSTONE® M (UHMW-PE)

Section 1: Identification

Product Identifier: Polystone® M
Manufacturer:
Röchling Engineering Plastics
903 Gastonia Technology Parkway
Dallas, NC 28034

Section 2: Hazard Identification

Classification: None
Signal Word: None
Pictogram & Symbols: None
Hazard Statements: None
Precautionary Statements: None

Section 3: Composition/Information on Ingredients

Chemical characteristics: Polyethylene, Additives

Section 4: First-Aid Measures

Contact with Eyes: This product is in solid sheet and rod 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.

Ingestion: Rinse mouth with plenty of water. Do not induce vomiting. Seek medical attention.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Agents: water, foam, dry powder, carbon dioxide

Special Dangers: CO₂ and CO

Special Protective Equipment: For major fires, Self-contained breathing apparatus and personal protective equipment may be needed for large fires.

Section 6: Accidental Release Measures

None Required

Section 7: 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.

Section 8: Exposure Controls/Personal Protection

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

Section 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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information

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

Section 12: Ecological Information

Mobility in Soil: Data not available

Section 13: Disposal Considerations

This product can normally be disposed of as normal solid waste for landfills. However, Röchling Engineering Plastics holds no liability for disposal of this product. It is the user's responsibility to comply with all local and state laws for proper disposal. Always consult the local regulatory agencies for proper disposal.

Section 14: Transportation Information

This product is considered a non-hazardous product

Section 15: Regulatory Information

The State of California, OEHHA has issued a List of Chemicals where significant exposure to the chemicals can cause cancer, birth defects or other reproductive harm. Proposition 65 requires warnings to Californians about exposure to these chemicals in their homes or workplaces.

WARNING: Polystone® M contains at least one of the following chemicals listed by California Proposition 65 as a cancer causing chemical:

Carbon Black, CAS 1333-86-4

Titanium Dioxide, CAS 13463-67-7

Section 16: Other Information

This information is believed by the technical staff at Röchling Engineering Plastics to be true and accurate for the normal and intended use of this product as of the date that this SDS sheet was produced. Since Röchling Engineering 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.