

Material Safety Data Sheet (91/155/EWG)

Product: Polystone® M-Flametec (PE-UHMW)

Issue Date: 22.10.2004
Revision Date: 11.06.2008
Print Date: 11.06.2008

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1. Identification of the article and of the company/undertaking

Article: **Polystone® M-Flametec (PE-UHMW)**
Company: Röchling Engineering Plastics KG
Polystone Division
D-49724 Haren/Germany
Phone.: +49 5934 701-0, Fax –299
info@roechling-plastics.com
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2. Composition / Information on ingredients

Chemical characterization: Polyethylene, eventually Olefines - Copolymerisat,
Stabiliser, Additive, Ammonium polyphosphate,
Graphite
Dangerous substances: ---

3. Hazards identification

No particular hazards known ---

4. First aid measures

General hints: ---
In case of inhalation: ---
In case of contact with skin: After contact with molten product cool quickly with cold water.
Do not pull solidified product from skin.
Take for medical treatment

5. Fire – fighting measures

Suitable extinguishing substances: Water, foam, dry powder, carbon dioxide
Unsuitable extinguishing substances: ---
In case of fire, the following hazardous can be produced: CO, CO₂, ammonia, Nitric oxide (NO_x), Phosphor oxide (P_xO_y), Sulfur oxide (SO₂)
Special protective equipment: self-contained breathing apparatus and protecting clothes
Further statements: Collect separately contaminated water for fire-fighting, it is forbidden to reach this into the sewage system

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6. Accidental release measures

None

7. Handling and storage

Product includes combustible Polymere. Take precautionary measures against fire and explosion.

8. Exposure controls / personal protection

Personal protective equipment: ---
General protection/ hygiene measures: Avoid contact of molten material with skin
CAS-no.: 9002-88-4
68333-79-9 (Ammonium polyphosphate)
7782-42-5 (Graphite)

9. Physical and chemical properties

Appearance

Form: Firm
Colour: natural or coloured
Odour: Odourless

Change in physical state

Crystalline melting point: 100 – 140 °C (DSC)
Ignition temperature: > 360 °C
Density (23 °C): 0,92 – 0,97 g/cm³ (ISO 1183)
Solubility: Insoluble in water

10. Stability and reactivity

Thermal decomposition: > 390 °C
Dangerous reactions: ---
Dangerous decomposition products: ---

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11. Toxicological information

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

12. Ecological information

Product is insoluble in water
Harmful effects to fish and bacteria: not harmful

13. Disposal instructions

Product:

In accordance with the necessary technical regulations may be dumped or incinerated with household waste, after consultation with site operator and with the responsible authority

Waste code no. for unused product: 120105

Name of waste: Polyolefine wastes

14. Transportation data

Non dangerous goods according to the transport regulations

15. Regulations

Labelling in accordance with hazard warning labelling not compulsory
GefStoffV / EC:

National Hazard Class (Germany): 0 (self classification)

16. Other information

This information is based on our present state of knowledge.

It should not therefore be construed as guaranteeing specific properties of the product described or their suitability for a particular application.