

## Material Safety Data Sheet (91/155/EWG)

**Product: Matrox (PE-UHMW)**

Issue Date: 14.06.2004  
Revision Date: 23.06.2008  
Print Date: 23.06.2008

Version: 4  
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### 1. Identification of the article and of the company/undertaking

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Article: **Matrox (PE-UHMW)**  
Company: Röchling Engineering Plastics KG  
Polystone Division  
D-49724 Haren/Germany  
Phone.: +49 5934 701-0, Fax –300  
info@roechling-plastics.com  
www.roechling-plastics.com

### 2. Composition / Information on ingredients

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

### 3. Hazards identification

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No particular hazards known

### 4. First aid measures

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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

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Suitable extinguishing substances: Water, foam, dry powder, carbon dioxide  
Unsuitable extinguishing substances: ---  
In case of fire, the following hazardous can be produced: CO, CO<sub>2</sub>  
Special protective equipment: ---

### 6. Accidental release measures

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None

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### 7. Handling and storage

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

### 8. Exposure controls / personal protection

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Personal protective equipment: ---  
General protection/ hygiene measures: Avoid contact of molten material with skin  
CAS-no.: 9002-88-4

### 9. Physical and chemical properties

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#### Appearance

Form: firm  
Colour: Blue grey  
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/cm<sup>3</sup> (ISO 1183)  
Solubility: Insoluble in water

### 10. Stability and reactivity

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Thermal decomposition: > 390 °C  
Dangerous reactions: No dangerous reaction known  
Dangerous decomposition products: ---

### 11. Toxicological information

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

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### 12. Ecological information

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Product is insoluble in water

Harmful effects to fish and bacteria: not harmful

### 13. Disposal instructions

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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

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Non dangerous goods according to the transport regulations

### 15. Regulations

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

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

### 16. Other information

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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.