

## MATERIAL SAFETY DATA SHEET

### 1 Identification of the product and the company

Product name: VELOTHENE.  
Intended use: Raw material for the plastic industry.  
Manufacturer: Plaasteka FZE, Jebel Ali, Dubai UAE.

### 2 Composition / information on ingredients

Substance: The product is a preparation of solid saturated hydrocarbons.  
Molecular Formula:  $C_nH_{2n+2}$   
Components: Polyethylene (CAS number 9002-88-4)  
Polyethylene (CAS number 8002-74-2)

***Within the present knowledge of the manufacturer, this product does not contain any hazardous ingredients in quantities requiring reporting in this section.***

### 3 Hazards Identification

Human health: The product is not classified as a dangerous substance. However, inhalation of dust may irritate the respiratory tract. Heated material can cause thermal burns.  
Fire: The product burns, but is not classified as flammable.  
Environment: The product is not considered dangerous for the environment.

### 4 First-aid measures

#### 4.1 Effects and symptoms

Inhalation: Over-exposure by inhalation may cause respiratory irritation (coughing).  
Ingestion: There is no known acute effect after exposure to this product.  
Skin contact: Heated material can cause burns (redness, blistering).  
Eye contact: May cause eye irritation (redness).  
Inhalation: Move exposed person to fresh air.  
Skin contact: Rinse with plenty of running water. Do not remove solidified material. Seek medical attention.  
Eye contact: Rinse with plenty of running water. Obtain medical attention if symptoms occur.

### 5 Fire fighting measures

#### 5.1 Extinguishing media

Small Fire: Dry chemical or CO<sub>2</sub>.  
Large Fire: Water spray (not water jet) or dry chemical.  
Flammability: Combustible at high temperature.  
Unusual explosion: No specific hazard.  
Hazardous thermal  
Decomposition products: Carbon monoxide, carbon dioxide, dense smoke.  
Protection: Approved respirator equipment.

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### 6 Accidental release measures

Small spill and leak: Use vacuum cleaner or sweep up material and dispose it in an appropriate waste container.

Large spill and leak: Use a shovel to put material in an appropriate waste container.

### 7 Handling and storage

Handling: During processing and thermal treatment of the product, small amounts of hydrocarbons may be released. Provide adequate ventilation. Avoid inhalation of dust and decomposition products. All equipment shall be grounded.

Storage: Keep the product tightly closed in a cool, well ventilated area.

### 8 Exposure controls / personal protection

Engineering controls: Use only with adequate ventilation. Local exhaust ventilation should be provided. Use explosion-proof electrical equipment. Molten product should not be exposed to water.

### 9 Personal protective equipment

Respiratory: Wear dust protection mask.

Skin and body: Working clothes.

Eyes: Safety glasses with side shields.

Hands: Wear heat-resistant protective gloves, when handling molten products.

### 10 Physical and chemical properties

Physical state: Solid.

Colour: White to off-white.

Odor: Practically odorless.

Melting point: 100°C to 150°C.

Flash point: > 300°C.

Density: 0.93 to 0.97 g/cm<sup>3</sup>.

Bulk density: 350 to 600 kg/m<sup>3</sup>.

Solubility: Insoluble in cold water (20°C).

### 11 Stability and reactivity

Stability: Stable under recommended storage and handling conditions.

Conditions to avoid: Keep away from heat, sparks and flames.

Materials to avoid: Oxidizing agents.

Hazardous decomposition products: In the case of (incomplete) combustion a variety of decomposition products may be formed, such as hydrocarbons, aldehydes, ketons, carbon dioxide and monoxide.

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### 12 Toxicological information

The product is not classified as a dangerous preparation. However, inhalation of dust may irritate the respiratory tract (coughing). Prolonged inhalation of decomposition products may give headache or irritation of the respiratory tract.

### 13 Ecological information

The product is not considered as dangerous for the environment.

### 14 Disposal considerations

Waste must be disposed of in accordance with national and local environmental regulations.

### 15 Transport information

The product is not regulated by ADR/RID, IMDG or IATA.

### 16 Regulatory information

This product is not classified according to regulations.

### 17 Other information

Disclaimer.