

# PA 66E

## MSDS

### 1. COMPANY IDENTIFICATION

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterisation:**

Polyamide 66 (PA 66)

### 3. HAZARDS IDENTIFICATION

**HAZARD PRECAUTIONS:** No hazards to be specially mentioned.

### 4. FIRST AID MEASURES

**SKIN CONTACT:** Cool skin rapidly with cold water after contact with molten material. Do not peel solidified product off the skin. Seek immediate medical attention/advice.

**INHALATION:** Move to fresh air in case of accidental inhalation of vapours or decomposition products.

### 5. FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Water, foam, dry powder, carbon dioxide.

**UNSUITABLE EXTINGUISHING MEDIA:** None known.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTING:** Wear self contained breathing apparatus.

**ADDITIONAL ADVICE:** This product ignites in a flame and continues to burn on removal of the source. With thermal decomposition toxic and combustible gasses and steam are released. There is a danger of the fire spreading through spontaneous ignition of the gaseous decomposition products. Molten product must therefore be cooled with water. Water used to extinguish the fire and fire remainders must be collected. Fire hydrants must be controlled and water disposed of, in accordance with local regulations.

### 6. ACCIDENTAL RELEASE MEASURES

**METHODS FOR CLEANING UP:** Use mechanical handling equipment. Dispose of as prescribed.

### 7. HANDLING AND STORAGE

**HANDLING:** No special precautions are necessary beyond normal good hygiene practices. See section 8 for additional personal protection advice when handling this product.

**STORAGE:** No special precautions are necessary beyond normal good working practices.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION:** Use local exhaust ventilation over machining operations.

**RESPIRATORY PROTECTION:** No special requirements under ordinary conditions of use with adequate ventilation.

**EYE PROTECTION:** Generally eye contact with solid material is unlikely. However in machining areas adequate eye protection should be worn.

**SKIN PROTECTION:** Gloves suitable to resist abrasion and cutting should be worn. Good personal hygiene practices should always be followed.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

FORM:	Solid
ODOUR:	Slight, product specific
MELTING POINT:	260°C
IGNITION TEMPERATURE:	>400°C
EXPLOSION LIMITS:	NA
VAPOUR PRESSURE:	NA
DENSITY (20°C):	Approx. 1.15 g/cm <sup>3</sup>
VISCOSITY, DYNAMIC:	NA

### 10. STABILITY AND REACTIVITY

**HAZARDOUS DECOMPOSITION:** With carbonization and incomplete combustion toxic gasses develop, predominantly carbon dioxide and carbon monoxide. In addition nitric oxide, amine, ammonia, ε-caprolactum, nitrile, aliphatic and aromatic hydrocarbons, aldehyde, hydrogen cyanide, sulphur dioxide can be generated, as well as small quantities of ketone and acids.

**THERMAL DECOMPOSITION:** >300 °C

**HAZARDOUS REACTIONS:** No hazardous reactions known.

### 11. TOXICOLOGICAL INFORMATION

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

### 12. ECOLOGICAL INFORMATION

**FURTHER INFORMATION ON ECOLOGY:** The material has no harmful effect on the environment. May be separated mechanically in waste water plants. Product is insoluble in water.

### 13. DISPOSAL CONSIDERATIONS

**WASTE FROM PACKAGING:** Dispose in accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT:** Not dangerous goods.

**INLAND WATERWAYS TRANSPORT ADN/ADNR:** Not dangerous goods.

**MARINE TRANSPORT IMDG/GGVSee:** The product does not constitute a hazardous substance in sea transport.

**AIR TRANSPORT ICAO/IATA:** The product does not constitute a hazardous substance in air transport.

### 15. REGULATORY INFORMATION

**EU GUIDELINES:** No warning necessary.

### 16. OTHER INFORMATION

Revision Date: July 2007

This data is supplied in accordance with guidelines set out by the Commission of the European Communities.

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