

# HS Blue

## MSDS

### 1. COMPANY IDENTIFICATION

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Health Emergency & Customer Service  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Contains:**

Caprolactam -CAS No. 105-60-2

This product is not expected to be hazardous to health as defined by the EC Dangerous Substance/Preparations Directives.  
See action 15 for a regulatory analysis of the ingredients.

### 3. HAZARDS IDENTIFICATION

**EFFECTS OF OVEREXPOSURE:** Contact with hot material may cause skin burns.

**Hazardous decomposition products** – refer to section 5

Un-reacted chemicals may be exposed during machining:

R20/22 – Harmful by inhalation and if swallowed;

R36/37/38 – Irritating to eyes, respiratory system and skin.

### 4. FIRST AID MEASURES

**EYE CONTACT:** Particles can cause mechanical irritation. If irritation occurs, summon physician. Monomers vapour from heated product can cause irritation. Wash affected eyes for at least 15 for minutes under running water with eyelids open, consult an eye specialist.

**SKIN CONTACT:** Monomers vapour from heated product can cause irritation. Wash thoroughly with soap and water.

**INHALATION:** Monomers vapour from heated product can cause irritation. Keep patient calm, remove to fresh air and summon medical help.

**INGESTION:** If swallowed, obtain medical attention.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Foam, Water, Water Spray, Dry Chemical and Carbon Dioxide.

**SPECIAL PROTECTIVE EQUIPMENT:** For fires in enclosed areas, fire-fighters must use self-contained breathing apparatus. May generate irritating vapours when burning. Collect separately contaminated extinguishing water; do not allow to reach sewerage or effluent system.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Incomplete combustion results in formation of toxic vapour, containing mainly carbon monoxide and carbon dioxide. In addition small quantities of the following substances can be formed; nitrogen oxides, hydrogen cyanide.

### 6. ACCIDENTAL RELEASE MEASURES

**GENERAL:** Avoid obstacle hazard by removing released material. Take care to avoid unstable stacks.

**METHODS FOR CLEANING UP:** Sweep/shovel up.

### 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.

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### 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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

<b>PHYSICAL STATE:</b>	Solid
<b>COLOUR:</b>	BLUE
<b>ODOUR:</b>	Mild
<b>MELTING POINT:</b>	>200°C
<b>PH:</b>	NA
<b>EXPLOSIVE PROPERTIES:</b>	NA
<b>RELATIVE DENSITY:</b>	1.13 – 1.15 g/cm <sup>3</sup>
<b>SOLUBILITY IN WATER:</b>	Insoluble

### 10. STABILITY AND REACTIVITY

**THERMAL DECOMPOSITION:** Thermal decomposition begins at temperatures above melting point. See section 5 for hazardous decomposition products.

**HAZARDOUS REACTIONS:** Material is resistant to many chemicals. Chemical resistance can be obtained with technical data for the material.

### 11. TOXICOLOGICAL INFORMATION

No toxic – see section 5 for hazardous decomposition products.

### 12. ECOLOGICAL INFORMATION

Environmental rate and effects not established.

### 13. DISPOSAL CONSIDERATIONS

**WASTE FROM RESIDUES:** Dispose in accordance with local and national regulations. The material can be recycled by extrusion process into pellets for further processing.

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

### 14. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations.

### 15. REGULATORY INFORMATION

The product is expected to be in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

### 16. OTHER INFORMATION

Revision Date: January 2005

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

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