



## Material Safety Data Sheet

Product Name: **Polyamide (Nylon 6/6)**

Synonyms: **Hexamethylene Adipimide**

# Polyamide

### Composition / Information on Ingredients

Material	%	TLV	PEL
Nylon 6/6	100	N/A	N/A

### Physical and Chemical Properties

Melting Point: 250-265°C  
Vapor Pressure: N/A  
Vapor Density: N/A  
Solubility in Water: Not Soluble  
Ph: N/A  
Specific Gravity: 1.14  
% Volatile By Volume: N/A  
Appearance and Odor: Granular, slight to no odor.

### Fire and Explosion Hazards

Flashpoint: 400°C  
Auto Ignition Temperature: None available  
Flammable Limits (STP): N/A

Extinguishing Media: Use water fog, foam, dry chemicals or CO<sub>2</sub>

Special Fire Fighting Protective Equipment: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Unusual Fire and Explosion Hazards: Molten plastics, dust can cause explosion hazards.

### Stability and Reactivity

Stability: Stable

Incompatibility: Strong oxidizing agents, acids and bases

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, HCN, and NH<sub>3</sub>

Hazardous Polymerization: Will not occur

### Health Hazard Identification

General: Routes of entry of solids and liquids include eye and skin contact, ingestion and inhalation. Routes for entry of gasses include inhalation, eye and skin contact.

Inhalation: Dust from the product can cause irritation to eyes, skin or respiratory systems. In pellet form, the material is not a hazard. See precautions on person protective equipment (section 8 for more information). People with sensitive respiratory systems should wear respirators.

Other Effects of Overexposure: None known

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### **Polyamide (cont.)**

#### ***First Aid Procedures***

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Skin: Wash with cool water and treat for thermal burns. Do not peel off plastic from skin, but get medical treatment quickly.

Inhalation: Get to fresh air quickly. If symptoms persist, seek medical attention.

Ingestion: Not likely in this form, if problems arise, seek medical attention.

#### ***Disposal Considerations / Spill or Leak Procedures***

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Disposal Method: Dispose of in Local, State or Federally approved landfill for such materials.

Spills: Sweep, vacuum or shovel into a drum for disposal or reuse. No special precautions are needed.

#### ***Exposure Controls / Personal Protection***

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Ventilation: Local exhaust

Respiratory: Standard MSHA / NIOSH approved respirator for dust and vapors.

Other protective equipment: Gloves, heat resistant shoes, clothing and safety glasses are recommended.

#### ***Special Precautions***

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None Needed

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