Nylon 6 Cast Rod - Safety Data Sheet

1.	Substance/preparation and Company detail	Polycaprolactam Oadby Plastics Elland Road, Braunstone Frith Industrial Estate, Leicester, LE3 1TU 0116 232 1010
2.	Composition / Indications to components	**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.
3.	Possible dangers	**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:** Like any foreign object can cause irritation to the eye, Wash thoroughly with clean water and if symptoms persist, seek medical advice. 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	**Extinguisher type:** 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.	Measures in case of unintended release	**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.
8.	Limitation of exposition	**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.

Nylon 6 Cast Rod - Safety Data Sheet

9.	Physical and chemical characteristics	Typical physical properties are given below. Consult Product Data Sheet for specific details. **Physical state:** Solid **Colour:** OFF WHITE **Odour:** Mild **Melting point:** >200°C **PH:** NA **Explosive properties:** NA **Relative density:** 1.13 – 1.15 g/cm3 **Solubility in water:** 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.	Toxic information	No toxic – see section 5 for hazardous decomposition products.
12.	Ecological information	Environmental rate and effects not established
13.	Waste-disposal information	**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 packing:** Dispose in accordance with local and national regulations.
14.	Transport information	Not classified as hazardous under transport regulations.
15.	Regulation	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.	Further information	The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.

Nylon 6 Moly Cast Rod - Safety Data Sheet

1.	Substance/preparation and Company detail	Nylon 6 Moly cast Oadby Plastics Elland Road, Braunstone Frith Industrial Estate, Leicester, LE3 1TU 0116 232 1010
2.	Composition / Indications to components	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.	Possible dangers	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 irritation. If irritation occurs, wash eye thoroughly with clean water. If irritation persists, seek medical advice. 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, seek medical attention.
5.	Fire-fighting measures	**Suitable Extinguisher:** 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.	Measures in case of unintended release	**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.
8.	Limitation of exposition	**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	Typical physical properties are given below. Consult Product Data Sheet for specific

<table>
<tr><td></td><td>characteristics</td><td>details.<table>
<tr><td>PHYSICAL STATE: Solid</td><td>COLOUR: GREY</td></tr>
<tr><td>ODOUR: Mild</td><td>MELTING POINT: >200°C</td></tr>
<tr><td>PH: NA</td><td>EXPLOSIVE PROPERTIES: NA</td></tr>
<tr><td>RELATIVE DENSITY: 1.13 – 1.15 g/cm3</td><td>SOLUBILITY IN WATER: Insoluble</td></tr>
<tr><td>PHYSICAL STATE: Solid</td><td>COLOUR: GREY</td></tr>
<tr><td>ODOUR: Mild</td><td>MELTING POINT: >200°C</td></tr>
<tr><td>PH: NA</td><td>EXPLOSIVE PROPERTIES: NA</td></tr>
<tr><td>RELATIVE DENSITY: 1.13 – 1.15 g/cm3</td><td>SOLUBILITY IN WATER: Insoluble</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Stability and reactivity</td><td>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.</td></tr>
<tr><td>11.</td><td>Toxic information</td><td>No toxic – see section 5 for hazardous decomposition products.</td></tr>
<tr><td>12.</td><td>Ecological information</td><td>Environmental rate and effects not established.</td></tr>
<tr><td>13.</td><td>Waste-disposal information</td><td>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.</td></tr>
<tr><td>14.</td><td>Transport information</td><td>Not classified as hazardous under transport regulations.</td></tr>
<tr><td>15.</td><td>Regulation</td><td>The product is expected to be in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.</td></tr>
<tr><td>16.</td><td>Further information</td><td>The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.</td></tr>
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Nylon 6 Oil Filled Rod - Safety Data Sheet

1.	Substance/preparation and Company detail	Nylon 6 Oil Filled Oadby Plastics Elland Road, Braunstone Frith Industrial Estate, Leicester, LE3 1TU 0116 232 1010
2.	Composition / Indications to components	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.	Possible dangers	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 irritation. If irritation occurs, wash eye thoroughly with clean water. If irritation persists, seek medical advice. 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	**Suitable Extinguisher:** 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.	Measures in case of unintended release	**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.
8.	Limitation of exposition	**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.

Nylon 6 Oil Filled Rod - Safety Data Sheet

<table>
<tr><td>9.</td><td>Physical and chemical characteristics</td><td>Typical physical properties are given below. Consult Product Data Sheet for specific details.
<table>
<tr><td>PHYSICAL STATE: Solid</td><td>COLOUR: BLACK</td></tr>
<tr><td>ODOUR: Mild</td><td>MELTING POINT: >200°C</td></tr>
<tr><td>PH: NA</td><td>EXPLOSIVE PROPERTIES: NA</td></tr>
<tr><td>RELATIVE DENSITY: 1.13 – 1.15 g/cm3</td><td>SOLUBILITY IN WATER: Insoluble</td></tr>
<tr><td>PHYSICAL STATE: Solid</td><td>COLOUR: BLACK</td></tr>
<tr><td>ODOUR: Mild</td><td>MELTING POINT: >200°C</td></tr>
<tr><td>PH: NA</td><td>EXPLOSIVE PROPERTIES: NA</td></tr>
<tr><td>RELATIVE DENSITY: 1.13 – 1.15 g/cm3</td><td>SOLUBILITY IN WATER: Insoluble</td></tr>
</table></td></tr>
<tr><td>10.</td><td>Stability and reactivity</td><td>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.</td></tr>
<tr><td>11.</td><td>Toxic information</td><td>No toxic – see section 5 for hazardous decomposition products.</td></tr>
<tr><td>12.</td><td>Ecological information</td><td>Environmental rate and effects not established.</td></tr>
<tr><td>13.</td><td>Waste-disposal information</td><td>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 packing: Dispose in accordance with local and national regulations.</td></tr>
<tr><td>14.</td><td>Transport information</td><td>Not classified as hazardous under transport regulations.</td></tr>
<tr><td>15.</td><td>Regulation</td><td>The product is expected to be in compliance with the inventory listing requirements of the US Toxic Substances Control Act (TSCA) Chemical Substance Inventory.</td></tr>
<tr><td>16.</td><td>Further information</td><td>The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.</td></tr>
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