

City Plastics Pty Ltd
61 East Street
Brompton 5007
South Australia

Ph: (+61) 8, 8346 6500

Fax: (+61) 8, 8346 6711

Email: info@cityplastics.com.au

www.cityplastics.com.au

ABN 20 101 181 793

ACN 101 181 793

- Sheet Plastics
- Cut to size & shape
- CNC Router cutting
- Fabrication
- Vacuum Forming
- Boat Screens & windows
- Signs & Displays
- Engineering Plastics
- Ecoscreen Plastic Lattice
- C/S Acrovyn
- Bld/Lic RL155051

MATERIAL SAFETY DATA SHEET, NYLON

Section 1	Product and Company Identification
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City Plastics Pty Ltd
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BROMPTON 5007
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Material Identification

Product Name: NYLON TYPE 6

Chemical Name: POLYCAPROLACTAM/POLYAMIDE - NYLON 6

CAS Number: 25038-54-4

Product Use: Engineering thermoplastic, for fabrication.

Section 2	Composition/Information on Ingredients
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Section 3	Hazards Identification
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Ingestion: Not a probable route if ingestion.

Skin: Molten Nylon will cause thermal burns.

Eye: Mechanical irritation only.

Inhalation: Stock shapes are not respirable, avoid breathing dust, as fine particles can be inhaled and retained in the lungs.

Section 4	First Aid Measures
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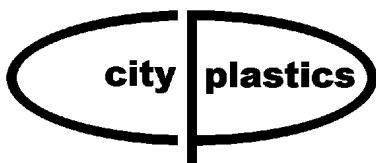
If exposed to fumes from overheating, move to fresh air. Consult a physician if symptoms persist. Wash skin with soap and plenty of water. Flush eyes with water. Consult a physician if symptoms persist.

If molten Nylon contacts skin, cool rapidly with cold water.

Do not attempt to peel Nylon from skin. Obtain medical attention to thermal burn.

Chronic effects: Not known

Medical conditions generally aggravated by this material: No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.



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Section 5 Fire Fighting Measures

Flash ignition temperature: NA

Unusual fire, explosion hazards: None known

Hazardous combustion products: Smoke and noxious gasses, carbon monoxide, carbon dioxide, and hydrogen cyanide evolved upon burning.

Special fire fighting instructions: Fire fighters and others exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.

Extinguishing media: Water spray or any class 'A' extinguishing agent.

Section 6 Accidental Release Measures

Spill or release: Clean up by vacuuming or sweeping to prevent falls.

Section 7 Handling and Storage

Practice reasonable care and caution in handling.

Section 8 Exposure Controls/Personal Protection

Eye: Safety glasses are recommended to prevent particulate matter from entering eyes while grinding or machining.

Skin: Protective gloves are required when handling hot polymer. Also, long sleeve cotton shirt and long pants if handling molten polymer.

Ventilation: Local exhaust at processing equipment to assure that particulate levels are kept at recommended levels.

Respirator: None under normal processing, if ventilation is adequate.

Section 9 Physical and Chemical Properties

Appearance: Stock shape may be rod, plate or tube form.

Odour: Essentially odourless.

Melting point: 210-225°C / 410-437°F

Solubility in water: Insoluble.

Volatile content %: <1%

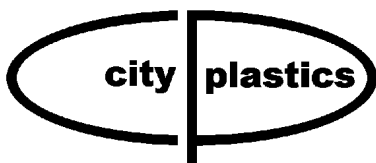
Specific gravity: 1.12-1.14

Section 10 Stability and Reactivity

Stability at room temperature: Stable

Materials to avoid: Strong acids and oxidizing agents.

Conditions to avoid: Temperatures over 291°C / 555°F May result in thermal decomposition.



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Section 11 Toxicological Information

Chronic toxicity: Nylon type 6 does not appear to possess any toxicological properties.

Medical conditions prone to aggravation by exposure: Thermal decomposition products of nylon have been reported to be irritating to the mucus membranes and respiratory tract.

Carcinogenicity: None known.

Section 12 Ecological Information

Aquatic toxicity: Toxicity is expected to be low based on insolubility of polymer in water.

Section 13 Disposal Considerations

Spill or release: Clean up by vacuuming or wet sweeping to minimize dust exposure.

Waste disposal: Landfill or incineration in compliance with federal, state, and local regulations.

Section 14 Transport Information

Hazard class: NA

Shipping name: NA

Section 15 Regulatory Information

This product contains no known toxic chemicals.

Section 16 Other Information

Prepared by: Steven Cook

Issued: 1 September 2009

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is to the best knowledge and belief of City Plastics Pty Ltd, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones which exist. City Plastics Pty Ltd makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility.