

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

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## MATERIAL SAFETY DATA SHEET, PVC

<b>Section 1</b>	<b>Product and Company Identification</b>
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**Material Identification**

**Product Name:** PVC

**Chemical Name:** POLYVINYL CHLORIDE RESIN

**CAS Number:** 75-01-4

**Product Use:** Thermoplastic for fabrication.

<b>Section 2</b>	<b>Composition/Information on Ingredients</b>
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Polyvinyl Chloride

<b>Section 3</b>	<b>Hazards Identification</b>
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**Ingestion:** Not a probable route of exposure.

**Skin:** Molten material 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.

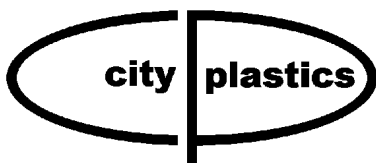
<b>Section 4</b>	<b>First Aid Measures</b>
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If exposed to fumes from overheating, move to fresh air. Consult a physician if symptoms persist. Wash skin with soap and plenty of water. Flush eyes with water. Consult a physician if symptoms persist.

If molten material contacts skin, cool rapidly with cold water. Do not attempt to peel material from skin. Obtain medical attention to thermal burn.

**Chronic effects:** Cancer hazard, this material contains vinyl chloride, which is a listed human carcinogen.

**Medical conditions generally aggravated by this material:** Exposure to Polyvinyl chloride may result in an asthma syndrome.



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## MATERIAL SAFETY DATA SHEET, PVC

### Section 5 | Fire Fighting Measures

**Flash ignition temperature:** 260°C / 500°F

**Unusual fire, explosion hazards:** PVC will not continue to burn after ignition without an external fire source.

**Hazardous combustion products:** Burning liberates HCL gas.

**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, CO2 or Foam extinguishing agent.

### Section 6 | Accidental Release Measures

**Spill or release:** Spilled pellets or scrap should be removed from floor areas immediately to provide stable footing.

### Section 7 | Handling and Storage

Avoid breathing dust and fumes.

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:** Recommended.

### Section 9 | Physical and Chemical Properties

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

**Odour:** Essentially odourless.

**Melting point:** This product does not exhibit a sharp melting point, but softens gradually over a wide temperature range.

**Solubility in water:** Insoluble

**Volatile content %:** 0

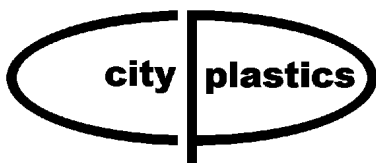
**Specific gravity:** 1.39

### Section 10 | Stability and Reactivity

**Stability at room temperature:** Stable

**Materials to avoid:** Acetal at high temperature.

**Conditions to avoid:** Burning liberates HCL gas.



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### Section 11 Toxicological Information

**Chronic toxicity:**

**Medical conditions prone to aggravation by exposure:** Exposure to Polyvinyl chloride may result in an asthma syndrome.

**Carcinogenicity:** Cancer hazard, this material contains vinyl chloride, which is a listed human carcinogen.

### 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.