



MATERIAL SAFETY DATA SHEET

July 2004

COMPANY DETAILS:

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IMPORTANT NOTICE:

SVP Industries Pty Limited, in accordance with Worksafe Australia guidelines issues this Material Safety Data Sheet (MSDS). As such, the information contained herein must not be altered, deleted or added to. SVP Industries Pty Limited will issue a new MSDS when there is a change in product specifications and/or Worksafe Australia guidelines/regulations. SVP Industries Pty Limited will not accept any responsibility for any changes made to its MSDS in content by any other person or organisation.

IDENTIFICATION:

Product name:	Poly (Vinyl Chloride) (PVC) Weatherboards, Fencing & Flexible Road Edge Guide Posts
Other Names:	Supaclad Twin Wall D5, D5 Building Boards, D5 Fencing Panels, Supaclad Series 2000, Noise Abatement Profile and various others
Other Names & Variants:	Polyvinyl chloride, unplasticised PVC, unmodified PVC (UPVC, uPVC)
Manufacturer's Product Code:	Various
Dangerous goods class & Subsidiary	Not classified as hazardous according to criteria of Workplace Australia.
Hazchem code:	None Allocated
Poisons schedule number:	None Scheduled
Use:	Construction of buildings and fences, Road Safety

PHYSICAL DISCRIPTION/PROPERTIES:

Appearance:

Manufactured from unplasticised polyvinyl chloride (uPVC) to form a rigid twin wall building board 8.6mm thick. The outer walls are linked by eleven rigid cross members spaced a maximum of 30mm apart. The board resembles a chamfer-board with 250mm cover including the 40mm chamfer.

Boiling Point/Melting Point

Softening point >75 C Decomposition initiates at approximately 140 C

Vapour pressure:

Not applicable

Relative Density:

1.3 – 1.6

Flashpoint:

Not Applicable

Flammability Limits:

Not Applicable

Solubility in water:

Insoluble

INGREDIENTS:

Chemical Name	CAS Number	Proportion
Polyvinyl Chloride Polymer	9002-86-2	80 - 82%
Fillers (eg Calcium carbonate)	471-34-1	4 - 6%
Lubricants (eg Polyethylene wax & Stearates)	Not Applicable	1.5 – 1.7%
Modifiers (eg acrylics)	888311-2	4 – 6%
Stabilisers (eg stearates of calcium & butyl tin)	Not applicable	1.2 – 1.3%
Pigments (eg Titanium Dioxide)	13463-67-7	8 – 9%

HEALTH HAZARD INFORMATION**Health Effects:****General**

There are no significant health hazards associated with PVC weatherboard and fencing products under normal conditions of use or from mechanical working or forming the product. All additives are encapsulated within the polymer matrix and should present no hazard under conditions of normal use and good occupational work practice. Peripheral effects may arise from combustion or misuse. See section Precautions for Use.

Acute**Swallowed**

There are no known health effects for the ingestion of PVC

Eye and Skin

Inapplicable to the solid except for mechanical injury. Dust from sawing may affect eyes if not protected. Hydrogen chloride and other fumes emitted during combustion cause irritation to the eyes and skin.

Inhaled

Inapplicable to the solid product inhalation of combustion products, especially hydrogen chloride, causes irritation of the respiratory tract. Individuals with bronchial asthma and other chronic obstructive respiratory diseases may develop broncho-spasm if exposure is prolonged.

First Aid**Swallowed**

No harmful effect. No LD50 data is available for product

Eye and Skin

No special treatment. Treat mechanical injury and dust contact by normal procedures. Gaseous combustion by-products: Irrigate with fresh water, seek medical assistance if effect persists. If molten material contacts skin and adheres, cool quickly with running water DO NOT attempt to remove. Seek medical advice.

Inhaled:

Gaseous combustion by-products: Remove from source of exposure. Seek medical advice.

PRECAUTIONS FOR USE**Exposure Standards:**

No value assigned by National Health and Medical Research Council. A limit of 10 mg/m³ for nuisance dusts is recommended.

Engineering Controls:

Stability – stable. Incompatibility – none.

Personal Protection:

No special protection required. Gloves are advisable when handling cut ends of boards. May shatter if impacted under stress, particularly when cold. When working with the product, normal safety glasses are recommended, and dust mask if sawing with abrasive wheel or sanding.

Flammability:

Combustible, self-extinguishing.

SAFE HANDLING INFORMATION**Storage and Transport:**

No special requirements. Road Transport does not consider PVC products hazardous for transportation according to Transport of Goods and Rail Acts.

Handling:

Injury can be sustained by the collapse of piled, unpacked bundles on a flat surface, ensure free standing stacks are adequately chocked. Do not climb on stacks.

Material Working:

Normal safe practices should be employed when working with the material: work in a well ventilated area and use dust masks and eye protection when cutting.

Spills and Disposal:

Spillage – not applicable.
Disposal – Recycle where possible. Refer to appropriate environmental protection agency/authority. Normally suitable for disposal as general waste land fill.

Fire/Explosion Hazard:

Combustible, self-extinguishing. No explosion risk. If forced to burn it will emit dense acrid fumes containing carbon monoxide, carbon dioxide and hydrogen chloride. Carbon dioxide is an asphyxiant. Carbon monoxide is toxic. Hydrogen chloride is highly acidic and a severe irritant in low concentrations. All are potentially lethal in high concentrations with sustained exposure. Hydrogen chloride has a highly detectable pungent odour, and is intolerable in very low

concentrations. The risk of exposure to hazardous levels for sustained periods is therefore considered low.

Fire Fighting Procedures:

Wear fully protective body suit with self-contained breathing apparatus (SCBA) to prevent contact with gases produced during combustion.

Fire Extinguishing Media

Use water, water fog or foam to extinguish fires. Carbon Dioxide or Dry Chemical are suitable, but are not preferred, as lack of cooling capacity may result in the re-ignition of combustion supporting materials.

First Aid Facilities

No special requirements

Advice to Doctor

Treat symptomatically

This MSDS summarises our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. SVP Industries Pty Limited cannot anticipate or control all the conditions under which the product may be used, and it remains the responsibility of each user, prior to usage, to review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

<http://www.svpindustries.com>