

# vinyl solutions

<b>Material Safety Data Sheet</b>	
	Date Prepared: October 1, 1999
	Revised: April, 2000

## SECTION I. MATERIAL DESCRIPTION

Common Name: Rigid Poly Vinyl Chloride (PVC) Exterior Profiles Used for Fencing, Decking, and Railing
Manufacturer:
Phone

Chemical Name & Formula: PVC Homopolymer, SIC: 3084  
CAS NO.: PVC Resin (9002-86-2) Titanium Dioxide (13463-67-7); Calcium carbonate (1317-65-3)

## SECTION II. HAZARDOUS INGREDIENTS AND OCCUPATIONAL EXPOSURE LIMITS

	<u>% Max.</u>		TWA in mg/m <sup>3</sup> unless noted	
			<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Polyvinyl Chloride resin_____	86	Dust	10	15, 5 (respirable)
Titanium Dioxide_____	10		10	10, 5 (respirable)
Proprietary ingredients_____	9		10	10, 5 (respirable)

## SECTION III. PHYSICAL DATA

Physical Form:	Solid
Boiling Temperature:	Not Applicable
Heat deflection temperature:	168 <sup>0</sup> F (76 <sup>0</sup> C)
Vapor Pressure:	Not Applicable
Evaporation Rate:	Not Applicable
Specific Gravity:	1.42
Density:	Not determined
Water Solubility	Insoluble
PH:	Not Applicable
Color:	Various
Odor:	Plastic, resin odor

**SECTION IV. FIRE AND EXPLOSION DATA**

Flashpoint: Not Applicable  
Self-Ignition Temperature 849° F (470°C)  
Flammability Limits in Air: Not Applicable  
Extinguishing Media: Use water spray, dry chemical or foam.  
Fire and Explosion Hazard: PVC homopolymers are self-extinguishing plastic materials. They will burn in the presence of other materials that support combustion and will generate hydrogen chloride, benzene, water, carbon monoxide, and carbon dioxide.

Firefighters should wear NIOSH approved, self-contained breathing apparatus and protective clothing when appropriate.

**SECTION V. REACTIVITY DATA**

Stable under normal conditions of use, storage and transportation.

Hazardous polymerization will not occur.

Hazardous decomposition products include hydrogen chloride at elevated temperatures (> 250-300 F), carbon monoxide, carbon dioxide, aromatic and aliphatic hydrocarbons.

**SECTION VI. HEALTH HAZARD INFORMATION (SEE SECTION II FOR EXPOSURE LIMITS)**

Dust resulting from power or hand sawing this material is considered to be a low health risk by inhalation. Limits for total and respirable dust in Section II are applicable.

Dust may be irritating to the skin, eyes, nose, and upper respiratory tract.

If product is melted, this material may emit fumes and vapors that are irritating to the eyes, nose, skin and upper respiratory tract.

First Aid:

Skin and eyes: If irritation develops, consult a physician  
Inhalation: If irritation or pulmonary symptoms develop, remove to fresh air and consult a physician.

**SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES**

Collect scrap for reprocessing, or for landfill in compliance with local regulations.

**SECTION VIII. SPECIAL PROTECTION AND PRECAUTIONS**

Use with adequate ventilation to meet exposure limits listed under Section II. Where the exposure limits are or may be exceeded, use NIOSH approved respiratory protection. Select appropriate respirator (e.g., high efficiency dust mask, acid gas respirator) based on the actual or potential airborne contaminants and their concentrations present.

When cutting, wear safety glasses or goggles to prevent foreign particles from being projected into eye.

**SECTION IX. REGULATORY INFORMATION**

Chemical substance components have been reported to the EPA Office of Toxic Substances in accordance with the requirements of the Toxic Substances Control Act (Title 40 CFR Part 710).

EPA SARA Title III hazard class: NONE

OSHA Hazard Communication Standard Hazard Class: NONE

D.O.T. Shipping Name, Hazard Class, I.D. No. (if applicable) Not Regulated.

**SECTION X. Additional Information**

H.M.I.S. Ratings: Health: 1  
Flammability: 1  
Reactivity: 0

N.F.P.A. Ratings: Health: 1  
Flammability: 1  
Reactivity: 0  
Special hazard Warning: None

Substance(s) listed by California under the “ Safe drinking Water and Toxic Enforcement Act of 1986” (Proposition 65): None

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