

MATERIAL SAFETY DATA SHEET

Date last revised 9/01/2010 By PLASTRUCT POLYZONE CANADA

MSDS-22

I. Chemical Product and Company Identification

Chemical Name & Synonyms Poly Vinyl Chloride	Trade Name & Synonyms PVC
Chemical Family Vinyl Resin-Chlorothene Polymer	Formula (ch3Cl)n
Proper DOT Shipping Name: N/A	DOT Hazard Classification: N/A
Manufacturer: PLASTRUCT POLYZONE CANADA 4305 SPRINGCREEK RD VINELAND ON, L0R 2C0 WWW.POLYZONE.COM	Chemtrec Phone Number 1-800-424-9300

II. Ingredients

Principal Components	Percent	Threshold Limit Value
Polyvinyl Chloride (9002-86-2)	>99%	
Residual Vinyl Chloride Monomer 75-01-4	<8.5 ppm	5 ppm
Organotin Compounds 2,4,5,6	<5.0%	0.1 (mg/m ³) (skin as Sn)
Calcium Carbonate 1317-65-3	<5.0%	10 (mg/m ³)
Calcium Stearate 1592-23-0	<5.0%	10 (mg/m ³)

III. Physical Data

Boiling Point (Deg. F.) N/A	Specific Gravity (H20=1) 1.4+-0.02
Vapor Pressure (mm Hg) N/A	Percent Volatile By Volume (%) N.E.
Vapor Density (Air=1) N/A	Evaporation Rate (Air =1) N/A
Solubility in Water N.E.	pH N/A
Appearance & Odor Black or gray solid.	

IV. Fire & Explosion Hazard Data

Flash Point (Test Method) 391 deg C ASTM-D-1929	Auto Ignition Temperature 454 deg. C ASTM D-1929
Flammable Limits N/A	LEL N/A
	UEL N/A
Extinguishing Media Water, AFFF Protein, Dry Chemical	
Special Fire Fighting Procedures NFPA Class A fire. CO2 not recommended. Wear positive pressure, self-contained breathing apparatus.	
Unusual Fire & Explosion Hazards PVC is difficult to ignite. It will self-extinguish in the absence of substantial heat and flame. PVC decomposes during combustion and generates Hydrogen Chloride which acts as a flame quencher in the vapor phase. Hydrogen Chloride can combine with water to form Hydrochloric Acid, a corrosive compound.	

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V. Health Hazard Data

OSHA Permissible Exposure Limit Not Established	ACGIH Threshold Limit Value Not Established
Carcinogen - NTP Program NO	Carcinogen - IARC Program NO
Symptoms of Exposure Irritation of the eyes and respiratory tract	
Medical Conditions Aggravated By Exposure None known, however, seek medical attention if constant irritation occurs. If thermal decomposition occurs, upper respiratory, eye, nose, and throat irritation may result.	
Primary Route(s) of Entry Inhalation of particulates.	
Emergency First Aid Molten material. If molten material comes in contact with the skin, cool under running water. Do not attempt to remove the molten material from the skin. Get medical attention.	

VI. Reactivity Data

STABILITY <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable INCOMPATIBILITY Hazardous <input type="checkbox"/> May Occur Polymerization <input checked="" type="checkbox"/> Will Not Occur	<u>Conditions To Avoid</u> None Known <u>Materials To Avoid</u> Strong oxidizing agents. <u>Conditions To Avoid</u> None Known
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen chloride, benzene, aromatic and aliphatic hydrocarbons.	

VII. Environmental Protection Procedures

Spill Response Sweep up for Disposal or reuse.
Waste Disposal Method Dispose of in accordance with Federal, State and Local regulations. Not hazardous using TCLP-40 CFR 261 App. II

VIII. Special Protection Information

Eye Protection Glasses with side shields.	Skin Protection Use insulated gloves when handling molten material.
Respiratory Protection (Specific Type) NIOSH approved chemical respirator recommended. If material is being heated, wear an organic respirator. Ventilation Recommended - Local ventilation in dusty conditions or if thermal decomposition occurs.	
Other Protection: Gloves and protective garments when handling molten material.	

IX. Special Precautions

Hygienic Practices In Handling & Storage: Wash with soap and water.
Precautions For Repair & Maintenance Of Contaminated Equipment: Eliminate ignition sources.
Other Precautions: Dust on floors and walkways can be a slipping hazard.

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X. Regulatory Information

OSHA Status: PVC is not considered hazardous under OHSA.**TSCA Inventory Status: All ingredients are listed.****CERCLA Reportable Quantity (RQ): None****SARA Title III:**

Section 302/304.No extremely hazardous substances

Section 311/312.No reporting requirements although it is suggested that storage of >10,000 lbs of PVC in one facility should be listed on a Tier II report.

Section 313: No reporting requirements.

Hazard data contained herein was obtained from raw material suppliers. The information presented is believed to be factual, as it was derived from the works and opinions of persons believed to be qualified. However, no facts contained in the information are to be taken as a warranty, or representation, for which PLASTRUCT POLYZONE CANADA bears legal responsibility. The user should review any recommendation in the specific context of the intended use to determine if they are appropriate.

N.A.= Not Applicable N.E.= Not Established