

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

MANUFACTURING SITE	Vista Performance Polymers		
ADDRESS	751 N. Main Street, Mansfield, MA 02048		
TRADE NAME	POLYVINYL CHLORIDE, PVC COMPOUND		
SYNONYMS	Vinyl Polymers		
CAS NUMBER(S)	Mixture - available upon request.		
TELEPHONE NO.	713/588-3491	EMERGENCY TELEPHONE NO.	318/494-5142

2. COMPONENTS AND HAZARD CLASSIFICATION

Compounded PVC is an inert material in its normal usage. All the components listed below are encapsulated in the PVC matrix. See Section 5 for hazard information. Typical compositions are listed below.

Polyvinyl chloride polymer	45-80%	
Inert Fillers	0-40%	CACO3, talc, carbon black, TiO2, clay.
Heat Stabilizer	3-10%	Organometallic compounds of tin, lead, barium-cadmium, or calcium zinc.
Plasticizer	0-60%	High molecular weight esters, phosphate esters
Colorant	0-5%	Organic and inorganic colorants (can contain lead, chromium, and cadmium).
Flame Retardant	0-15%	Antimony trioxide, Aluminum Trihydrate.

- PVC Compound may contain less than or equal to 1.0 ppm residual vinyl chloride monomer.
- Contains no chemicals subject to SARA 302 or 311/312 reporting.
- Contains a maximum of 2% Antimony Compounds, 2% Barium Compounds, 2% Cadmium Compounds, 7% Chromium Compounds, and 5% Lead, which are chemicals subject to SARA 313 reporting.

3. PHYSICAL DATA

BOILING POINT (°F)	Solid	SPECIFIC GRAVITY (H ₂ O= 1)	1.15 - 1.6
VAPOR PRESSURE (mm Hg.)	Solid	MELTING POINT	Varies
SOLUBILITY IN WATER	Solid	VAPOR DENSITY	Solid
APPEARANCE AND ODOR	Pellets of varying size, hardness, and color.		

4. FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	Not applicable	AUTOIGNITION TEMPERATURE	Not applicable
FLAMMABLE LIMITS IN AIR. % BY VOL.	LOWER	Not applicable	UPPER Not applicable
EXTINGUISHING MEDIA	Water spray, CO2, dry chemical.		
SPECIAL FIRE FIGHTING PROCEDURES	Cool exposed equipment with water spray. Use self-contained breathing apparatus if fighting fire in confined spaces.		
UNUSUAL FIRE AND EXPLOSION HAZARD	PVC evolves hydrogen chloride, carbon monoxide and other toxic gases when burned. Exposure to combustion products may be fatal and should be avoided.		

5. HEALTH HAZARD INFORMATION**FIRST AID**

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. Call a physician.
- SKIN:** Flush with water to remove material from skin.
- INHALATION:** Remove to fresh air.
- INGESTION:** If swallowed, call a physician immediately. ONLY induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

NATURE OF HAZARD

Handling of PVC Compound may result in the generation of dust. The dust is classed as a nuisance dust. Exposure to the dust may cause physical irritation of contacted areas.

Under burning conditions, HCL gas will be produced. HCL gas is irritating to the upper respiratory tract. Exposure to high concentrations of HCL gas may be fatal.

PVC Compound may contain trace amounts of vinyl chloride monomer. VCM is regulated as a carcinogen by OSHA, and is listed by NTP and IARC as a carcinogen. Under normal processing conditions, significant exposure to VCM should not occur.

Other processing vapors may produce irritation or acute health effects in some individuals.

EXPOSURE LIMITS

- NUISANCE DUST:** OSHA PEL of 15 mg/m³ TWA* for 8 hours.
ACGIH TLV of 10 mg/m³ TWA for 8 hours
- VINYL CHLORIDE:** OSHA PEL of 1.0 ppm TWA for 8 hours; 5 ppm for 15-minute TWA
ACGIH TLV of 5.0 ppm for 8 hours

* TWA = Time Weighted Average

TOXICITY DATA

SKIN CONTACT: A review of the pertinent literature did not reveal specific information for PVC.

EYE CONTACT: A review of the pertinent literature did not reveal specific information for PVC.

INHALATION: Rodents exposed by the dietary or inhalation route for 6 to 24 months have shown no significant toxicological effects.

INGESTION: See above.

SPECIAL PRECAUTIONS AVOID INHALATION OF COMBUSTION PRODUCTS.

6. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY:

Not applicable.

INCOMPATIBILITY:

Not applicable.

HAZARDOUS DECOMPOSITION PRODUCTS:

Hydrogen chloride and other toxic fumes generated with combustion.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION:

Not applicable.

7. SPILL OR LEAK PROCEDURES

In case of spill, sweep, scoop, or vacuum and remove. Dispose of only in accordance with local, state, and federal regulations.

WASTE CLASSIFICATION: If discarded in its purchased form, this product is not a RCRA hazardous waste. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, and mixtures may change the classification.

8. SPECIAL PROTECTION INFORMATION

VENTILATION RECOMMENDATIONS

General ventilation for thermal processing and nuisance dust control.

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY:

If dust is produced during handling, an approved air-purifying respirator should be used.

EYES: Chemical safety glasses or goggles.

GLOVES:

Necessary when handling hot or molten compound.

OTHER CLOTHING AND EQUIPMENT:

As necessary when handling hot or molten compound.

9. SHIPPING, TRANSFER AND STORAGE**SHIPPING INFORMATION**

This product is not a hazardous material or hazardous substance as defined by the Department of Transportation, nor is it a dangerous good as defined by IATA for air transportation.

TRANSPORTATION AND STORAGE**USUAL SHIPPING CONTAINERS:**

Polylined steel tank cars or trucks and 1,500 lb. Gaylords and 50 lb. bags in vans.

STORAGE/TRANSPORT TEMPERATURE:

Extended storage or transport at temperatures above 150°F should be avoided to prevent potential agglomeration.

HANDLING AND STORAGE MATERIALS AND COATINGS**SUITABLE:**

Stainless or Polylined

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