

VISTA

MATERIAL SAFETY DATA SHEETVista Chemical Company
P.O. Box 19029
Houston, Texas 77224**1. PRODUCT IDENTIFICATION**

MANUFACTURING SITE Vista Performance Polymers

ADDRESS P.O. Box 91, Hwy. 25, Aberdeen, MS 39730

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%	CACO ₃ , talc, carbon black, TiO ₂ , clay.
Heat Stabilizer	3-10%	Organometallic compounds of tin, lead, barium-cadmium, or calcium zinc.
Plasticizer	0-60%	High molecular weight esters.
Colorant	0-5%	Organic and inorganic colorants (can contain lead, chromium, and cadmium).
Flame Retardant	0-15%	Antimony Trioxide, Aluminum Trihydrate.

- PVC Compound contains less than or equal to 1.0 ppm residual vinyl chloride monomer. Vinyl chloride is regulated as a carcinogen according to OSHA and listed by NTP and IARC as a carcinogen.
- 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 DATABOILING POINT (°F) Solid SPECIFIC GRAVITY (H₂O = 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.

**POLYVINYL CHLORIDE, PVC COMPOUND
EXPOSURE LIMITS**

No exposure limits have been established for this material. It is recommended exposure be kept below the limits set for Nuisance Dust (Nuisance Particulates):

OSHA PEL of 15 mg/m³ TWA for 8 hours.
ACGIH TLV of 10 mg/m³ TWA for 8 hours.

The following materials may be present in this product:

CALCIUM CARBONATE

ACGIH TLV: 10 mg/m³ TWA, for 8 hours
OSHA PEL: 15 mg/m³ TWA, for 8 hours (total dust)
5 mg/m³ TWA, for 8 hours (respirable dust)

CARBON BLACK (only in black pigmented products)

ACGIH TLV: 3.5 mg/m³ TWA, for 8 hours
OSHA PEL: 3.5 mg/m³ TWA, for 8 hours

ANTIMONY TRIOXIDE

ACGIH TLV: 0.5 mg/m³ TWA, for 8 hours

TITANIUM DIOXIDE (only in products pigmented white)

ACGIH TLV: 10 mg/m³ TWA, for 8 hours
OSHA PEL: 10 mg/m³ TWA, for 8 hours (total dust)

VINYL CHLORIDE (all compounds)

ACGIH TLV 5 ppm TWA for 8 hours
OSHA PEL: 1 ppm TWA for 8 hours
5 ppm TWA for 15-minute TWA

LEAD COMPOUNDS

ACGIH TLV 0.15 mg/m³ TWA, for 8 hours
OSHA PEL: 0.05 mg/m³ TWA, for 8 hours

SCANNED

Polyvinyl Chloride, PVC Compound

6. REACTIVITY DATA**CONDITIONS CONTRIBUTING TO INSTABILITY:**

Do not allow this product to come in contact with acetal or acetal copolymers within the extruder or molding machine. At processing conditions, the two materials are mutually destructive and involve rapid degradation of the products. Equipment should be purged with acrylic, ABS, polystyrene, or other purge compound to avoid even trace amounts of this product and acetals from coming in contact with each other.

INCOMPATIBILITY:

Acetal or acetal copolymers.

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 PROTECTION:**

If dust is produced during handling, an approved particulate filter 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.

SCANNED