

TO: DEBBE, KEMMONS, CUST SVC.

VISTA[®]

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

MANUFACTURING SITE	Vista Chemical Company		
ADDRESS	900 Threadneedle, Houston, TX 77079		
TRADE NAME	POLYVINYL CHLORIDE, PVC RECYCLATE		
SYNONYMS	Vinyl Polymers, PVC Compound, Recycled Polyvinyl Chloride		
CAS NUMBER(S)	Mixture - available upon request.		
TELEPHONE NO.	713/588-3491	EMERGENCY TELEPHONE NO.	318/494-5142

2. COMPONENTS AND HAZARD CLASSIFICATION

This recycled PVC material may contain the following contaminants: polyethylene, polypropylene, fluoropolymers, polyester, nylon, copper, tin, and aluminum. 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%	CACO ₃ , talc, carbon black, TiO ₂ , clay.
Inert Fillers	0-40%	Organometallic compounds of tin, lead, barium-cadmium, or calcium zinc.
Heat Stabilizer	3-10%	High molecular weight esters.
Plasticizer	0-60%	Organic and inorganic colorants (can contain lead, chromium, and cadmium).
Colorant	0-5%	Antimony trioxide, Aluminum trihydrate.
Flame Retardant	0-15%	

- 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	Ground up pieces of PVC 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, CO ₂ , 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.			

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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

- EYES:** Exposure does not cause significant irritation or toxicity. Physical irritation may occur if high exposures to dust occur.
- SKIN:** Exposure does not cause significant irritation or toxicity. Physical irritation may occur as a result of prolonged contact.
- INHALATION:** Exposure to high concentrations of dust may result in upper respiratory tract irritation. This product may contain residual amounts of vinyl chloride. Vinyl chloride is regulated as a carcinogen by OSHA, and is listed by NTP and IARC as a carcinogen. Under normal conditions no occupational exposure exceeding established exposure limits for vinyl chloride is anticipated. Under burning conditions, HCL and other toxic gases will be produced. HCL is irritating to the upper respiratory tract and corrosive to tissue. Exposure to high concentrations of HCL gas may be fatal. Individuals with bronchial asthma or other chronic obstructive respiratory diseases may develop constriction of the lung airways.

EXPOSURE LIMITS

None established for this specific product. Respirable dust standard would apply to processing dusts.
OSHA PEL for respirable dust: 10 mg/m³ (total dust) 8-hr. TWA
ACGIH TLV for respirable dust: 5 mg/m³
Vista recommends controlling dust exposures at or below 5 mg/m³.

TOXICITY DATA

Exposure to certain related processing dusts have been reported to cause lung changes in animals and humans including decreased respiratory capacity and inflammation. However, exposure to dust levels approaching the Vista recommended level of 5 mg/m³ are not anticipated to pose any significant risk to health.

SPECIAL PRECAUTIONS AVOID INHALATION OF COMBUSTION PRODUCTS.

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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 may be classified as a RCRA hazardous waste. It may have the characteristic of EP Toxicity for lead and the Hazardous Waste Number of D008. This product's classification should be evaluated by the user at the time of disposal, since the product's uses, transformations, and mixtures may change the classification.

8. SPECIAL PROTECTION INFORMATION**VENTILATION RECOMMENDATIONS**

General ventilation for thermal processing vapors 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.

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9. SHIPPING, TRANSFER AND STORAGE

SHIPPING INFORMATION

In purchased form, 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 1,000 lb. Gaylords and 1,500 lb. bulk 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

THE ABOVE DATA IS BASED ON TESTS AND EXPERIENCE WHICH VISTA BELIEVES RELIABLE AND ARE SUPPLIED FOR INFORMATIONAL PURPOSES ONLY. VISTA'S PRODUCTS ARE INTENDED FOR SALE TO INDUSTRIAL AND COMMERCIAL CUSTOMERS. VISTA REQUESTS THAT CUSTOMERS INSPECT AND TEST OUR PRODUCTS BEFORE USE AND SATISFY THEMSELVES AS TO CONTENTS AND SUITABILITY. VISTA DISCLAIMS ANY LIABILITY FOR DAMAGE OR INJURY WHICH RESULTS FROM THE USE OF THE ABOVE DATA AND NOTHING CONTAINED THEREIN SHALL CONSTITUTE A GUARANTEE, WARRANTY (INCLUDING WARRANTY OF MERCHANTABILITY) OR REPRESENTATION (INCLUDING FREEDOM FROM PATENT LIABILITY) BY VISTA WITH RESPECT TO THE DATA, THE PRODUCT DESCRIBED, OR THEIR USE FOR ANY SPECIFIC PURPOSE, EVEN IF THAT PURPOSE IS KNOWN TO VISTA.

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