

TO: Distribution

FROM: T. G. Grumbles

DATE: October 12, 1987

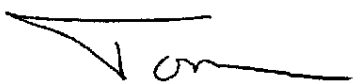
Interoffice
Communication

SUBJ: PVC MSDS

VISTA

We are in the process of revising our PVC resin, dryblend and compound MSDS. Please review this sheet and return it with your comments to me by November 2. The changes are predominately in Section 2 and Section 5.

Blane and Premiere compound sheets have already been issued. They are similar to this one.



T. G. Grumbles

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Attachment

Distribution:

Steve McQuire
Keith Fogg
Dick Frohreich
Jack Drumwright

VVV 000015015

DRAFT

VISTA

MATERIAL SAFETY DATA SHEET

Vista Chemical Company
P.O. Box 19029
Houston, Texas 77224

1. PRODUCT IDENTIFICATION

MANUFACTURING SITE	Vista Chemical Company		
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.	601/369-8111	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%	
Port Fillers	0-40%	CAC03, talc, carbon black, TiO2, clay.
st 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, cadmium and mercury)
Flame Retardant	0-15%	Antimony, Trioxide, Aluminum Trihydrate.
PVC Compound may contain less than or equal to 1.0 ppm residual vinyl chloride monomer.		

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	N/A	UPPER	N/A
EXTINGUISHING MEDIA	Water spray, CO2, dry chemical.			VVV 000015016
SPECIAL FIRE FIGHTING PROCEDURES	When fighting fires in confined spaces, self-contained breathing apparatus should be worn.			
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: Flush with large amounts of water for 15 minutes.

SKIN: Flush with water to remove material from skin.

INHALATION: Remove to fresh air.

INGESTION: Seek medical aid.

NATURE OF HAZARD

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

Under burning condition, 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. 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

* 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.

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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

Material should be picked up mechanically. This material can be sent to a sanitary landfill for disposal.

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.

EYE: Chemical goggles.

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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**

Non-hazardous for transportation purposes.

TRANSPORTATION AND STORAGE

USUAL SHIPPING CONTAINERS: Polylined steel tank cars or trucks and 1,000 lb. Gaylords and 50 lb. bags in vans.

STORAGE TRANSPORT TEMPERATURE: Temperatures about 150°F may cause slow degradation.

HANDLING AND STORAGE MATERIALS AND COATINGS

Stainless or Polylined are suitable.

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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ABD/01/ENV6

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