

~~TO:~~ JCL: ~~EST:~~ ~~REH:~~ AJO: RF

XF: NONO-DESK

Distribution:

F. G. Jeanson, B. Trego, T. E. Nickerson, J. E. Little-Aber

D. A. Penney-Austin

J. C. Ledvina, W. L. McClain, J. R. Drumwright, T. G. Grumbles, F.
R. Williams, J. P. Stokes

VEV-324362

TO: Distribution

FROM: M. J. Horowitz
DATE: December 7, 1989

SUBJ: NEW MSDS

Interoffice
Communication

VISTA

Attached is the new draft MSDS for the product, PVC Compound.

Please review the MSDS and return your comments to me by December 15th. The tight deadline is to assure that our customers receive proper information regarding product components listed in SARA Title III, Section 313 by early January. I am maintaining a file of references and data for product liability reasons, so please submit copies of references where you recommend changes.

Please sign and return the bottom of this letter stating whether you approve of the enclosed copy or recommend revisions. Thanks for your assistance.

M. J. Horowitz

Michael J. Horowitz

dlj
.101

Attachment

.....

Approve/Date

Comments Attached/Date

VEV-324363

REFERENCES

1. Product Identification

- a. Manufacturing site, address, and telephone number taken from the Vista telephone directory.
- b. Trade name taken from COEDS product and container file.
- c. Synonyms taken from The Condensed Chemical Dictionary.
- d. CAS numbers taken from Conoco's initial TSCA inventory.

2. Components and Hazard Classification

- a. Component and composition data taken from Surfactant Property Database Book.
- b. Hazard classification done using Vista's hazard determination procedure.

3. Physical Data

Taken from the Surfactant Property Database book and independent laboratory analysis.

4. Fire and Explosion Data

Tank from the ANSI Standard Z-129.1-1988 and knowledge of physical state and miscibility.

5. Health Hazard Information

- a. First Aid: Taken from the ANSI Standard Z129.1-1988 and American Red Cross Standard First Aid Manual.
- b. Nature of Hazard: Knowledge of Nature of Hazard
- c. Exposure limits: 1989-90 ACGIH book of Threshold Limit Values and OSHA TLV/STEL list.
- d. Toxicity Data: Taken from Vista files or the previous MSDS.
- e. Special Precautions: The signal word and warning placed on hazardous labels. Language developed using ANSI Standard Z129.1-1988.

6. Reactivity Data

Knowledge of Product Reactivity.

7. Spill or Leak Procedures

Taken from ANSI Z129.1-1988 and knowledge of RCRA regulations and with physical hazards.

8. Special Protection Information

Taken from ANSI Standard Z129.1-1988

9. Shipping, Transfer and Storage

- a. Shipping Information-Developed using physical data and DOT and IATA standards.
- b. Transportation and Storage-Taken from Shipping, Transfer, and Storage Manual and Surfactant Property Database book.
- c. Handling and Storage Materials and Coatings-Taken from the Shipping, Transfer, and Storage Manual.

MATERIAL SAFETY DATA SHEET**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.	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%	CAC03, talc, carbon black, TiO2, 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 contains less than 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 (CAS# 7440-36-0), 2% Barium Compounds (CAS# 7440-39-3), 2% Cadmium Compounds (CAS# 7440-43-9), 7% Chromium Compounds (CAS# 7440-43-3), and 5% Lead (CAS# 7439-92-1) 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	N/A	UPPER	N/A
EXTINGUISHING MEDIA	Water spray, CO2, dry chemical.				
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:** 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 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. 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.

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 PROTECTION:

If dust is produced during handling, an approved particulate filter respirator should be used.

EYES: 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, 1,400 lb. Gaylords and 50 lb. bags in vans.

STORAGE TRANSPORT TEMPERATURE:

Temperatures above 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.

PREPARATION DATE: 1/88
REVISION DATE: 12/05/89
MSDS2/MSDS/ABD.001

For additional copies call 713/588-3491

VEV-324369