

**I. Chemical Product and Company Identification**

**Deceuninck North America**

**Emergency Number: 1-800-432-9560**

X5486  
351 North Garver Rd.

**Information Number: 1-800-432-9560**

x5486  
Monroe, Ohio 45050

**Prepared by: Eric Brazelton**

**Revision Date: 6/22/2011**

Name: PVC compound

Common/Chemical Name: Polyvinyl Chloride Compound

**II. Composition/Information on Ingredients**

<b>Component</b>	<b>CAS No.</b>	<b>WT%</b>
Polyvinyl Chloride Resin	9002-86-2	>30%
Organotin Stabilizer	Mixture	<5%
Proprietary Additives	Mixture	<70%

**III. Hazards Identification**

Caution: Eye irritation is possible if solid material enters the eye. HCl can be liberated at elevated temperatures.

Effects of overexposure: Mechanical irritation of the eyes, skin, and respiratory tract may occur.

Medical conditions Aggravated by Exposure: Inhalation of dust may aggravate asthma and other respiratory ailments.

Primary Routes of Entry: Skin and inhalation

Carcinogenicity: Poly(vinyl chloride) resins contain trace amounts of Vinyl Chloride Monomer (VCM) which is a cancer suspect agent. Chromium and some of its compounds are listed as carcinogenic in both animals and man.

**IV. First Aid Measures**

Skin: Wash with mild soap and water. If irritation develops consult a physician.

Eyes: Flush well with water and consult a physician.

Ingestion: Consult a physician.

Inhalation: Remove to fresh air. If adverse symptoms emerge consult a physician.

**V. Fire Fighting Measures**

Flash Point 736°F	Flammable Limits: Not established
Extinguishing Media	Water Spray, Foam, ABC Dry Chemical or CO <sub>2</sub>
Fire/Explosion Hazards	May burn and evolve HCl, CO, CO <sub>2</sub> , and small amounts of organic and inorganic compounds
Fire Fighting Procedures	It is recommended that a self-contained breathing apparatus and protective clothing be worn to prevent skin and eye contact. Dense smoke can be emitted when burned without sufficient oxygen. PVC will not continue to burn after ignition without an external fire source. Do not allow fire fighting runoff water to enter streams, rivers, or lakes. The water will collect HCl from the byproducts of combustion.

**VI. Accident Release Measures**

**Protect People**

Signs/symptoms of overexposure: Health hazard of polyvinyl chloride may result in asthma syndrome. Check OSHA 29 CFR 1910. 1017. Material contains vinyl chloride, which is a cancer suspect agent. When opening truck or railcar for unloading, ventilate before entering.

**Protect the Environment**

Sweep or vacuum material and dispose of in accordance with applicable federal, state and local regulations. Temperatures above 300<sup>o</sup> F will decompose raw resin and liberate HCl.

**Clean Up**

See MSDS Section 15 for Regulatory Information.

**VII. Handling and Storage**

Steps to be Taken in Case of Spill: Sweep up and dispose of in accordance with local, state, and federal regulations.

Hygienic Practices: Skin should be thoroughly cleansed before eating, drinking, or using tobacco products and clothing laundered before reuse.

**VIII. Exposure Controls and Personal Protection**

Handling: Handle with care avoiding personal contact and excessive dust generation. If large amounts of dust are expected use of an NIOSH dust respirator is recommended.

Ventilation: Mechanical ventilation should be used if dust levels exceed the recommended TLV for nuisance and/or total dust.

Hazardous Ingredients: The following materials may be present in this product, but are not anticipated to exceed exposure limits under normal conditions.

Component	% by weight mean	PEL (mg/m <sup>3</sup> )	TWA (mg/m <sup>3</sup> )
Tin Compound (as Sn)	0.1 (air)	0.1	0.1
Antimony Compound	<0.3	0.5	0.5
Chromium Compound	<0.3	0.5	0.5
Manganese Compound	<0.06	5.0	5.0
Cadmium Compound	<0.01	0.1	0.002
Copper Compound	<0.002	1.0	1.0

**IX. Physical and Chemical Properties**

**Appearance:** Free-flowing powder  
**Odor:** Slight characteristic  
**Percent Volatile:** <0.5%  
**Solubility in Water:** Nil

**Specific Gravity:** 1.4-1.5  
**Melting Point:** Not established  
**Bulk Density:** 0.6 g/cc  
**Physical State:** Solid

**X. Stability and Reactivity**

Stability: Stable  
Incompatibility: Not Applicable  
Hazardous Decomposition Products: HCL, CO, CO<sub>2</sub>, Organic Acid Vapors.  
Hazardous Polymerization: Will not occur.

**XI. Toxicological Information**

**Animal Toxicity**

**Oral:** Rat, TD<sub>LO</sub> 210g/kg/30W-C: Equivocal tumorigenic agent

**Implant:** Rat, TD<sub>LO</sub> 75 mg/kg: Equivocal tumorigenic agent

TD<sub>LO</sub> = Lowest toxic dose in a given species by a given route of exposure.

While PVC is generally considered an inert polymer, exposure to PVC dust has been reported to cause lung changes in animals and humans, including decreased respiratory capacity and inflammation.

**XII. Ecological Information**

**ENVIRONMENTAL FATE:**

**Aquatic:** No data available

**Biodegradation:** Not subject to biodegradation

**Persistence:** This material will persist in the environment.

**Bioconcentration:** This material will not bioconcentrate.

**Ecotoxicity:** Based on the high molecular weight of this polymeric material, transport of this compound across biological membranes is unlikely. Accordingly, the probability of

environmental toxicity or bioaccumulation in organisms is remote. Due caution should be exercised to prevent the accidental release of this material to the environment.

### **XIII. Disposal Information**

**Waste Management Information:** Do not dump into any sewers, on the ground, or into any body of water. Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

### **XIV. Transport Information**

**Proper Shipping Name** Polyvinyl Chloride Compound  
**DOT - Hazard Class** None  
**DOT - Shipping ID No.** None  
**DOT - Labeling** None

### **XV. Regulatory Information**

**OSHA 29 CFR 1910.1017 - - - -:** This resin may contain trace levels, <0.001% of VCM. Under normal working conditions with adequate ventilation, neither the OSHA's 8-hour TWA, PEL of 1.0 ppm, the 0.5 ppm action level or C/STEL of 5.0 ppm should be exceeded. The workplace should be monitored, and if the level exceeds the PELs or action levels, or C/STEL refer to 29 CFR 1910.1017. In addition, containers of PVC Resin should be legibly labeled with the following warning: Polyvinyl Chloride contains Vinyl Chloride. Vinyl Chloride is a Cancer Suspect -Agent.

**EPA 40 CFR 372- - - -:** Unless a cover letter is attached to this MSDS explicitly stating otherwise, this product contains no SARA 313 listed compounds at or above the de minimis quantities.

**TSCA**

Polyvinyl Chloride and all other components of this product are listed on the TSCA Inventory.

**CERCLA**

Not Applicable

**RCRA**

Not Applicable

**California Proposition 65**

This resin may contain trace levels, <0.001% of VCM. VCM is a chemical known to the state of California to cause cancer.

**Canadian Regulations**

This product has been classified according to the hazard criteria of the Canadian Controlled Products Regulations, Section 33 and the MSDS contains all information required by this regulation.  
WHMIS Classification- Not a Controlled Product

**XVI. Other Information**

**HMIS: (SCALE 0-4)** (Rated using National Paint & Coatings Association HMIS: Rating Instructions, 2nd Edition)

**Health:** 0\*      **Flammability:** 1      **Reactivity:** 0

**NFPA 704 - Hazard Identification Ratings (SCALE 0-4)**

**Health:** 0      **Flammability:** 1      **Reactivity:** 0

Disclaimer: The information and recommendations contained within this Material Safety Data Sheet are based on information taken from MSDS's of the material's substituents and are believed to be accurate. However, Deceuninck North America makes no guarantees or warranties, either expressed or implied, with respect to the information.