



U.S. DEPARTMENT OF LABOR
OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
MATERIAL SAFETY DATA SHEET
DATE ISSUED: JANUARY 3, 2006

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME J-M Manufacturing Company, Inc.	EMERGENCY TELEPHONE NO. (973) 535-1633
ADDRESS (NUMBER, STREET, CITY, STATE, & ZIP CODE) 9 Peach Tree Hill Road, Livingston, NJ 07039	
CHEMICAL NAME AND SYNONYMS Polyvinyl Chloride [CAS #: 9002-86-2]	TRADE NAME AND SYNONYMS PVC plastic pipes
CHEMICAL FAMILY Polymer of Chlorinated Hydrocarbon	FORMULA -- (CH ₂ CHCl) _n --

SECTION II - HAZARDOUS INGREDIENTS

Paints, Preservatives, Solvents	%	TLV	Alloys & Metallic Coating	%	TLV
Pigments	N/A		Base Metal	N/A	
Catalyst	N/A		Alloys	N/A	
Vehicle	N/A		Metallic Coatings	N/A	
Solvents	N/A		Filler Metal plus coating or core flux	N/A	
Additives	N/A		Others	N/A	
Others	N/A				

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV*
PVC [CAS #: 9002-86-2], A Nuisance Dust		10 mg/M ³
May/may not contain trace amounts of Vinyl Chloride Monomer		1 ppm
[CAS#: 75-01-4], A carcinogen determined by IARC and OSHA	No	

*TLVs refer to airborne concentrations over 8-hr TWA

SECTION III - PHYSICAL DATA

Boiling Point (°F)	N/A	Specific Gravity (H ₂ O=1)	1.4
Vapor Pressure (mm Hg)	N/A	Percent Volatile by Volume	N/A
Vapor Density (Air=1)	N/A	Evaporation Rate (_____ =1) _____	N/A
Solubility in Water	Insol.		
Appearance & Odor: Pipes are green, blue, gray, white, brown, purple, buff, and are odorless.			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 734°F	SELF-IGNITION: 850°F (ASTM D1929)
FLAMMABLE LIMITS: N/A	
EXTINGUISHING MEDIA: Water, carbon dioxide, or dry chemical (ABC only).	
SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved, positive pressure, self-contained breathing apparatus, and full protective clothing.	
UNUSUAL FIRE AND EXPLOSION HAZARDS: PVC is nonflammable and nonexplosive under normal conditions of use. An external fire causes it to burn and Hydrogen Chloride gas is liberated.	

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Shown on first page; no acute health effects associated with inhalation of PVC dust.
EFFECTS OF OVEREXPOSURE: May cause eye, skin, nose, and throat irritation. Prolonged exposure may cause adverse effects on lungs.
EMERGENCY AND FIRST AID PROCEDURES: No emergency situation is likely to arise from the routine handling of PVC pipes. However, should it happen: Eyes - immediately flush eyes with clean water for at least 15 minutes. Skin - wash affected area with soap and water. Inhalation - remove to fresh air. Ingestion - dilute swallowed material by drinking water and obtain medical attention. If symptoms develop, consult a physician.

SECTION VI - REACTIVITY DATA

STABILITY: <u>XX</u> STABLE ___ UNSTABLE
CONDITIONS TO AVOID: Do not heat to temperatures greater than 350°F, which causes slow darkening and decomposition. Higher heat (≥482°F) increases rate & evolution of HCl gas (an acidic & corrosive gas).
INCOMPATIBILITY (MATERIALS TO AVOID): Fluorine, acetyl, amine-containing materials, certain ketones & organic solvents.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition produces HCl, CO, and CO ₂ (482°F).
HAZARDOUS POLYMERIZATION: ___ May occur <u>X</u> Will not occur
CONDITIONS TO AVOID: N/A

SECTION VII – SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Remove sources of ignition, use adequate ventilation and wear a dust respirator. Sweep, vacuum or shovel up the spill.

WASTE DISPOSAL METHOD:

Handle in accordance with Federal, State and local environmental control regulations.

SECTION VIII – SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH/MSHA approved dust respirators as needed.

VENTILATION:	LOCAL EXHAUST – YES	SPECIAL – N/A
	MECHANICAL (GENERAL) – N/A	OTHER – N/A

SKIN PROTECTION: Minimize contact with product. Wear gloves and/or suitable long sleeved clothing.

EYE PROTECTION: Wear safety glasses with side shields, goggles or face shield for protection against dust.

OTHER PROTECTIVE EQUIPMENT: Not required for ordinary handling.

SECTION IX – SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Use with adequate ventilation. Avoid contact with eyes and skin. Electrostatic charge may build up during handling. Grounding of equipment is recommended. Store in a cool dry, well-ventilated area silo away from sources of heat, flame, and sparks. When opening railcar for unloading, ventilate before entering.

OTHER PRECAUTIONS:

All tools, which may create PVC dust in excess of the exposure limits, shall be provided with local exhaust ventilation systems.

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