

PRODUCT: Polyvinyl Chloride Conduit/Fittings/Accessories

DATE PREPARED: 5/04

MANUFACTURER:

CANTEX, INC.
2101 Southeast 1st Street
Post Office Box 340
Mineral Wells, Texas 76068

HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	%
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PVC materials in conduit or molded form are inert and should not constitute any hazard in normal use or handling.

*THIS PRODUCT DOES DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40CFR372.

HMIS
HEALTH

REACTIVITY

FLAMMABILITY

PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT:	N.A.	SPECIFIC GRAVITY (H ₂ O=1):	1.42 gms/cc
VAPOR PRESSURE (MM=Hg):	N.A.	MELTING POINT:	N.A.
VAPOR DENSITY (AIR=1);	N.A.	EVAPORATION RATE:	N.A. (butyl acetate=1)

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: N.A.

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used)
Ignition Temp. Above 734^o F

FLAMMABLE LIMITS
N.A.

EXTINGUISHING MEDIA: Water, foam and dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: PVC gives off thick smoke and toxic gasses such as carbon monoxide when burning. Firefighters must wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustion products are hazardous and toxic in nature. Thick smoke may obscure vision. PVC pipe and conduit will not burn unless supported by other combustible material.

REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY: N.A.

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, HYDROGEN CHLORIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Under most circumstances, exposure to PVC pipe materials poses no significant risk to health. During fire, toxic fumes, such as carbon monoxide and other gases are given off which are injurious to all sensitive skin areas and the breathing function. Skin irritation and coughing may result.

INHALATION: N.A.

SKIN CONTACT: N.A.

OE CONTACT: N.A.

INGESTION: N.A.

CHRONIC: N.A.

EMERGENCY FIRST AID PROCEDURES:

EYES: N.A.

SKIN: N.A.

INGESTION: N.A.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N.A.

SUSPECTED CANCER AGENT :

IARC: NO

NTP: NO

OSHA: NO

SPILL OR LEAK PROCEDURES

IF MATERIAL IS SPILLED: Not applicable to PVC in pipe form. In pelletized, machined shavings or off-cut form, sweep up and place in suitable container for disposal.

WASTE DISPOSAL METHOD: LANDFILL PVC is an inert plastic material. No special disposal procedures are necessary other than complying with local, state and federal regulations.

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Non-toxic nuisance dust mask may be advised in presence of heavy saw dusting.

VENTILATION: Mechanical (General) in areas of thermal processing.

HAND PROTECTION: Gloves in areas involving molten PVC

EYE PROTECTION: In areas involving molten PVC

OTHER PROTECTION: None required

SPECIAL PRECAUTIONS

California Proposition 65 Statement:

No chemicals used to manufacture our products are reportable under this law.

THE DATA CONTAINED HEREIN ARE BASED ON INFORMATION THAT CANTEX BELIEVES TO BE RELIABLE, BUT NO EXPRESSED OR IMPLIED WARRANTY IS MADE WITH REGARD TO THE ACCURACY OF SUCH DATA OR ITS SUITABILITY FOR A GIVEN SITUATION.

MATERIAL SAFETY DATA SHEET

STEEL PRODUCTS

CODE NO. _____ N/A

ORIGINAL ISSUE DATE: 1/11/02 REVISED: _____

I. IDENTIFICATION PRODUCT NAME: GALVANIZED CARBON STEEL PIPE & TUBE COMMON NAME (S): EMT, IMC, RIGID, FENCE, MECHANICAL	INFORMATION & EMERGENCY TELEPHONE NUMBERS (708) 339-1610 MANUFACTURER: Allied Tube & Conduit Corp. 16100 South Lathrop Avenue Harvey, IL 60426
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II. INGREDIENTS AND RECOMMENDED OCCUPATIONAL EXPOSURE LIMITS

NOTE: Steel Products under normal conditions do not present an inhalation, ingestion or contact health hazard (See Section VI).

BASE METAL, ALLOYING ELEMENTS AND METALLIC COATINGS	% WEIGHT	EXPOSURE LIMITS*	
		<small>*During operations (such as welding, burning or cutting) where dust or fumes are generated.</small>	
		OSHA PEL	ACGIH TLV (1992-1993)
Base Metal: Iron	95.7 - 98.3	15 mg/M ³ for total particulate as iron oxide-total dust 5 mg/M ³ for total particulate-respirable fraction	5 mg/M ³ for iron oxide fumes
Alloying Elements; Carbon	0.25 max.	None established	None established
Manganese	0.95 max.	(c) 5 mg/M ³ - compounds (b) 3 mg/M ³ - fume 1 mg/M ³ - fume	5 mg/M ³ - dust & compounds 1 mg/M ³ - fume (b) 3 mg/M ³ - fume
Phosphorus	0.035 max.	None for inorganic phosphates	None for inorganic phosphates
Sulfur	0.035 max.	5 mg/M ³ as sulfur dioxide (b) 10 mg/M ³ as sulfur dioxide	5.2 mg/M ³ as sulfur dioxide (b) 13 mg/M ³ as sulfur dioxide
Metallic Coating *Zinc CAS NO. 7440-66-6 Zinc Dust Or Fume	0.5 - 3.00	5 mg/M ³ zinc oxide fume (b) 10 mg/M ³ - zinc oxide fume 10 mg/M ³ - zinc oxide dust 5 mg/M ³ - zinc oxide respirable fraction	10 mg/M ³ - zinc oxide total dust 5 mg/M ³ - zinc oxide fume (b) 10 mg/M ³ zinc oxide fume
*Aluminum CAS NO. 7429-90-5 Aluminum Dust Or Fume	< 0.1	15 mg/M ³ - metal dust 5 mg/M ³ - respirable fraction	10 mg/M ³ - dust 5 mg/M ³ - welding fumes
Chromium	< 0.0005	1 mg/M ³ as metal	0.5 mg/M ³ as metal
Polymeric O.D. Coatings	< 0.50	n/a	n/a
Polymeric I.D. Coatings	0.1 max.	n/a	n/a

NOTE: These products contain trace quantities of various elements but not at reportable levels under the OSHA Hazard Communication Standard Limit (29 CFR 1910.1200)

III. PHYSICAL DATA

MELTING POINT BASE METAL: @ 2750 ^u METALLIC COATING: @ 800-900 ^u	APPEARANCE AND ODOR: Bright Metallic No Odor
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IV. FIRE AND EXPLOSION HAZARD DATA

STEEL PRODUCTS IN THE SOLID STATE PRESENT NO FIRE OR EXPLOSION HAZARD.

V. REACTIVITY DATA

Stable under normal conditions of use, storage and transport. Will react with strong acid to liberate hydrogen. At temperatures above the melting point of the coating, galvanized pipe may liberate zinc fumes, carbon monoxide and oxides of nitrogen.

VI. HEALTH HAZARD DATA

NOTE: Steel products under normal conditions do not present an inhalation, ingestion, or contact health hazard. However, operations such as burning, welding, sawing, brazing, grinding, and possibly machining, etc., which result in elevating the temperature of the product to or above its melting point or result in the generation of airborne particulates, may present health hazards.

EFFECTS OF OVEREXPOSURE:

MAJOR EXPOSURE HAZARD

INHALATION SKIN CONTACT EYE CONTACT INGESTION

Chronic inhalation of high concentrations of iron oxide fumes or dusts may lead to a benign pneumoconiosis (siderosis). Inhalation of high concentrations of ferric oxide may possibly enhance the risk of lung cancer development in workers exposed to pulmonary carcinogens.

The inhalation of high concentrations of freshly formed oxide fumes and dusts of Manganese, Copper, Lead and/or Zinc in the respirable particle size range can cause an influenza-like illness termed metal fume fever. Typical symptoms last 12 to 48 hours and are characterized by metallic taste in the mouth, dryness and irritation of the throat, followed by weakness, muscle pain, and chills. No long term effects of metal fume fever have been noted.

EMERGENCY AND FIRST AID PROCEDURES

For overexposure to airborne fumes and particulates, remove exposed person to fresh air. If breathing is difficult or has stopped, administer artificial respiration or oxygen as indicated. Seek medical attention promptly.

Treat metal fume fever by bed rest, and administer a pain and fever reducing medication.

VII. SPILL OR LEAK PROCEDURES

NOT APPLICABLE TO STEEL IN THE SOLID STATE.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY: For welding or burning - NIOSH/MSHA - approved dust and fume respirators should be used to avoid excessive inhalation of particulates. Appropriate respirator selection depends on the magnitude of exposure.

SKIN:

Protective gloves should be worn as required for welding, burning or handling operations.

EYE:

Use safety glasses or goggles as required for welding, burning, or handling operations.

VENTILATION: Local exhaust ventilation should be provided when sawing, grinding or machining to prevent excessive dust or fume exposure. During welding, burning or brazing please follow the ANSI Standard Z49.1 "Safety in Welding and Cutting".

OTHER PROTECTIVE EQUIPMENT:

Depending upon the conditions of use and specific work situations, additional protective equipment and/or clothing may be required to control exposures.

IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE.

Operations with the potential for generating high concentrations of airborne particulates should be evaluated and controlled as necessary. Avoid breathing metal fumes and/or dusts.

OTHER COMMENTS:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with chronic respiratory disorders (i.e.: asthma, chronic bronchitis, emphysema, etc.) may be adversely affected by any fume or airborne particulate matter exposure.

THIS INFORMATION IS TAKEN FROM SOURCES OR BASED UPON DATA BELIEVED TO BE RELIABLE; HOWEVER, ALLIED TUBE & CONDUIT CORPORATION MAKES NO WARRANTY AS TO THE ABSOLUTE CORRECTNESS OR SUFFICIENCY OF ANY OF THE FOREGOING OR THAT ADDITIONAL OR OTHER MEASURES MAY NOT BE REQUIRED UNDER PARTICULAR CONDITIONS.