

MSDS No.: FP-5  
 Date: 06/01/1995  
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## MATERIAL SAFETY DATA SHEET

SECTION I	GENERAL INFORMATION		
A.	<b>Material Name:</b> <u>CPVC Plastic Fittings / Valves</u> <div style="text-align: center; margin-left: 100px;">Chlorinated</div>	<b>Other Names:</b> <u>Chloroethylene Polymer</u>	<b>Chemical Family:</b> <u>Chlorinated Polyvinyl Chloride</u>
B.	<b>Manufacturer:</b> NIBCO INC. 1516 Middlebury St. P.O. Box 1167 Elkhart, IN 46516	<b>Telephone:</b> 219-295-3000 For chemical emergency - spill, leak, fire exposure or accident, call: CHEMTEL 1-800-255-3924 day or night	

SECTION II Composition / Information on Ingredients				
Ingredient	CAS #	Weight %	ACGIH TLV	OSHA PEL
Organic tin compound	7440-31-5	3	0.1 mg/m <sup>3</sup> -skin; (C) 0.2 mg/m <sup>3</sup>	0.1 mg/m <sup>3</sup> - skin
Chlorinated PVC resin	68648-82-8	>84	none established	none established
Carbon Black	1333-86-4	<.2	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>

KNOWN HAZARDS UNDER 29 CFR 1910.1200											
	Yes	No		Yes	No		Yes	No		Yes	No
Combustible Liquid		x	Skin Hazard		x	Oxidizer		x	Reproductive Toxin		x
Flammable Material		x	Eye Hazard		x	Organic Peroxide		x	Blood Toxin		x
Pyrophoric Material		x	Toxic Agent		x	Corrosive Material		x	Nervous Sys. Toxin		x
Explosive Material		x	Highly Toxic Agent		x	Compressed Gas		x	Lung Toxin		x
Unstable Material		x	Sensitizer		x	Irritant		x	Liver Toxin		x
Water Reactive Mat.		x	Carcinogen		x				Kidney Toxin		x

**Comments.** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SECTION II		Composition / Information on Ingredients (CONTINUED)		
SHIPPING INFORMATION		SPECIAL HAZARD DESIGNATIONS		
DOT HAZARD CLASS:		HMIS	NFPA	HAZARD RATING
DOT SHIPPING NAME:	HEALTH;	0	0	0 - MINIMAL
	FLAMMABILITY:	0	0	1 - SLIGHT
	REACTIVITY:	0	0	2 - MODERATE
	PROTECTIVE EQUIPMENT:	B		3 - SERIOUS
SHIPPING I.D. NUMBER:				4 - SEVERE

SECTION III		PHYSICAL DATA	
<b>Melting Point:</b> <u>200 °F</u>		<b>Vapor Pressure (mm Hg):</b> <u>&lt;0.1</u>	
<b>Boiling Point:</b> <u>N/A</u>		<b>Vapor Density (AIR=1):</b> <u>N/A</u>	
<b>Specific Gravity (H<sub>2</sub>O=1):</b> <u>1.4 - 1.6</u>		<b>Solubility in Water:</b> <u>Insoluble</u>	
<b>Appearance and Odor:</b> <u>odorless solid</u>			

SECTION IV		FIRE AND EXPLOSION HAZARD DATA	
<b>Flash Point (method used):</b> <u>N/A</u>			
<b>LEL:</b> <u>N/A</u>		<b>UEL:</b> <u>N/A</u>	
<b>Extinguishing Media:</b> <u>Water spray, ABC dry chemical, carbon dioxide</u>			
<b>Special Fire fighting Procedures:</b> Fire fighters should be equipped for protection against high heat, depletion of oxygen, heavy smoke and molten plastic.			
<b>Unusual Fire and Explosion Hazards:</b> Under burning conditions, CPVC will release hydrogen chloride, carbon monoxide and carbon dioxide. Other gases released in small quantities are: benzene and aromatic and aliphatic hydrocarbons. The combustion products of PVC like those from other natural and synthetic products must be considered toxic.			

SECTION V		REACTIVITY DATA	
A. <b>Stability:</b>	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	
<b>Conditions to Avoid:</b> <u>N/A</u>			
B. <b>Hazardous Polymerization:</b>	<input type="checkbox"/> May Occur	<input checked="" type="checkbox"/> Will Not Occur	
<b>Conditions to Avoid:</b> <u>N/A</u>			
C. <b>Incompatible Materials:</b>	None known		
D. <b>Hazardous Decomposition Products:</b>	Hydrogen chloride, carbon monoxide, carbon dioxide and small amounts of benzene and aromatic and aliphatic hydrocarbons.		

**SECTION VI****HEALTH HAZARD DATA**

**Route(s) of Entry:**       Inhalation       Ingestion       Skin

**Health Hazards (Acute and Chronic):**

The fittings as received do not present an inhalation, skin contact or eye contact hazard. Listed hazards may result from remelting or combustion of the fittings.

A. **Metals:**

**Organic Tin Compound:** Organic tin compounds can affect the body if they are inhaled or if they come in contact with the eyes or skin. Organic tin compounds are primary skin irritants capable of penetrating intact skin, and can cause skin lesions on repeated contact.

B. **Other Constituents:**

**Chlorinated Polyvinyl Chloride:** Chronic inhalation of PVC dust has been reported to cause pulmonary damage, blood effects and abnormal liver function. Repeated skin contact can cause allergic dermatitis.

C. **Carcinogenicity:**       NTP       IARC       OSHA

None of the constituents show carcinogenicity.

D. **Emergency First Aid:**

Not applicable to finished fittings.

**SECTION VII SPILL OR LEAK PROCEDURES**

- A. **Special Handling or Storage:**  
Store fittings away from weather and sources of heat.
- B. **Spill or Leak Containment:**  
For spills of broken fittings, sweep from floor for stable footing and to prevent slips by personnel.
- C. **Waste Disposal:**  
Dispose of waste in a licensed landfill or incinerate in accordance with federal, state and local regulations.
- D. **Other Precautions:**  
None.

**SECTION VIII SPECIAL PROTECTION INFORMATION**

- A. **Respiratory Protection (specify type):** NIOSH approved for organic vapor when solvent welding in poorly ventilated areas.
- B. **Ventilation:**             Local Exhaust                       Mechanical (General)
- Other (specify):** N/A
- C. **Eye Protection:**         Yes             No                      Type: glasses or goggles when solvent welding
- D. **Protective Gloves:**       Yes             No                      Type: rubber or PVA coated when solvent welding
- E. **Other Protective Equipment or Clothing:**                       Yes             No
- Type:** N/A
- F. **Special Precautions or Work Practices:** N/A

**DISCLAIMER OF LIABILITY**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness.

The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

**PRODUCT NAME**

CPVC Plastic Fittings / Valves

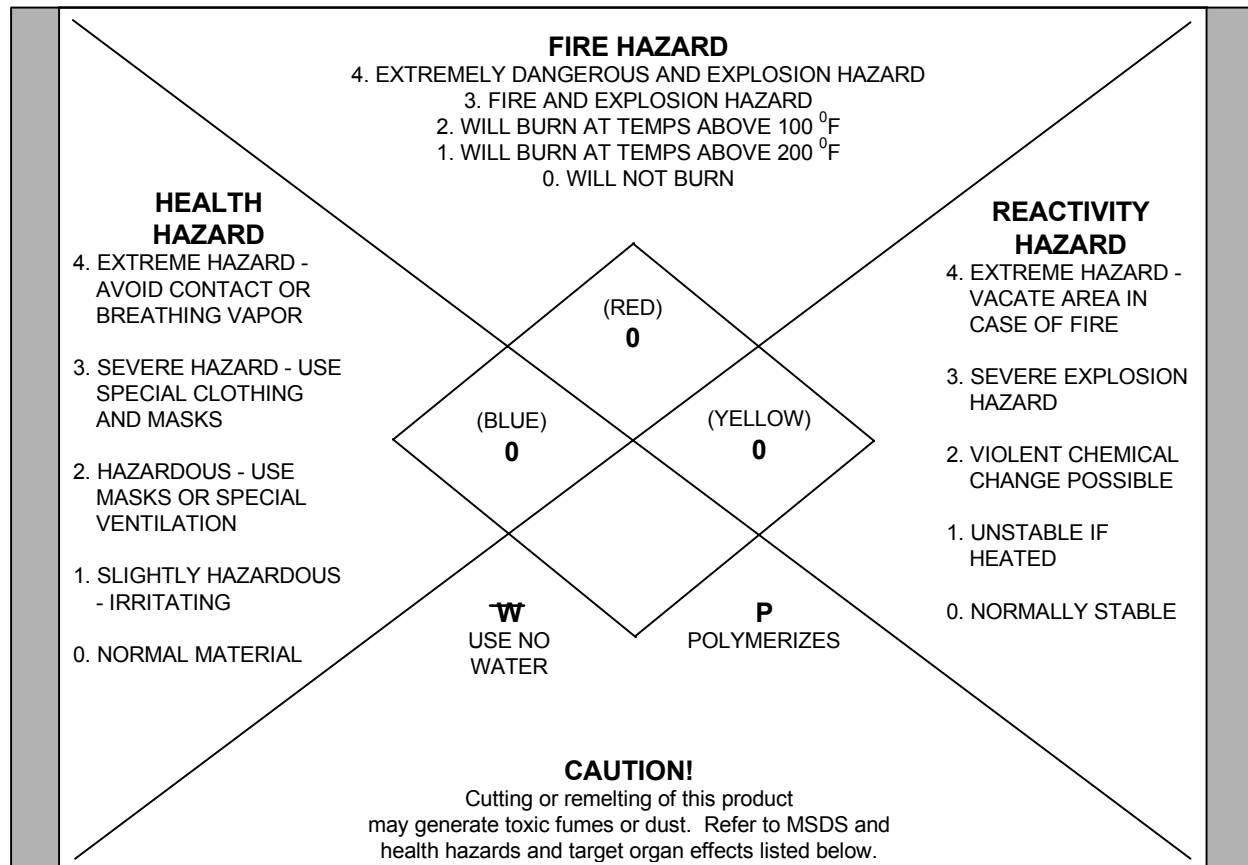


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Refer to Material Safety Data Sheet for more information

**NFPA RATING AS SHIPPED****INGREDIENTS**

Organic Tin Compound, Chlorinated PVC Resin, Carbon Black

**STORAGE AND HANDLING**

Store away from excessive heat and open flame

**SARA SECT. 313 NOTIFICATION**

- TOXIC
- HIGHLY TOXIC
- REPRODUCTIVE TOXIC

**HEALTH HAZARDS**

- IRRITANT
- CORROSIVE
- SENSITIZER

- CARCINOGEN
- \_\_\_\_\_
- NO KNOWN EFFECTS

**IMMEDIATE AND DELAYED HEALTH EFFECTS**

- |   |   |  |
|---|---|--|
| <p><input type="checkbox"/> HEPATOXINS (LIVER DAMAGE) - jaundice, liver enlargement</p> <p><input type="checkbox"/> NEPHROTOXINS (KIDNEY DAMAGE) - edema, proteinuria</p> <p><input type="checkbox"/> NEUROTOXINS (NERVOUS SYSTEM DAMAGE) - narcosis, behavioral changes, decrease in motor functions</p> | <p><input type="checkbox"/> HEMATOPOIETICS (BLOOD DAMAGE) - cyanosis, unconsciousness</p> <p><input type="checkbox"/> PULMONARY DYSFUNCTIONS (Lung Damage) - shortness of breath, chest tightness, cough</p> <p><input type="checkbox"/> REPRODUCTIVE TOXINS - birth defects, sterility</p> | <p><input type="checkbox"/> CUTANEOUS HAZARDS - skin damage, rashes, irritation, defatting of skin</p> <p><input type="checkbox"/> EYE HAZARDS - impaired vision, conjunctivitis, corneal damage</p> <p><input checked="" type="checkbox"/> NONE - no known immediate or delayed effects</p> |
|---|---|--|