MSDS No.: FP-1
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## MATERIAL SAFETY DATA SHEET

SECTION I	GENERAL INFORMATION					
<b>A.</b>	Material Name: PVC Plastic Fittings / Valves					
	Other Names: Vir	nyl fittings	Chemical Family: Polyvinyl chloride			
В.	Manufacturer:	NIBCO INC. 1516 Middlebury St. P.O. Box 1167 Elkhart, IN 46516	Telephone: 219-295-3000 For chemical emergency - spill, leak, fire exposure or accident, call: CHEMTEL 1-800-255-3924 day or night			

SECTION II			Compe	sitio	ı / In	for	mation on Ing	gredie	nts				MANUFACTURE OF THE PARTY OF THE
Ingredient			CAS#	Weight %			ACGIH TLV				OSHA PEL		
Organic Tin Compo	ound		7440-31-5		3		0.1 mg/m³-skin;	; (C) 0.2	mg/n	$a^3$	0.1 mg/m³ - skin		
Polyvinyl Chloride			9002-86-2	100			none established				none established		
Vinyl Chlorde Mon	iomer		75-01-4	<.0	0002		5 ppm ACGIH	TLV T	VΑ	$\Box$	2.56 mg/m <sup>3</sup>		
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	THE PERSONNEL PROPERTY.		KNOWN HAZ	ZARI	)S UI	ND:	ER 29 CFR 1	910.12	:00				***************************************
	Yes	No		Yes	No			Yes	No			Yes	No
Combustible Liquid		х	Skin Hazard		х	Ох	kidizer		х	Re	eproductive Toxin		x
Flammable Material		х	Eye Hazard		х	Or	ganic Peroxide		х	Bŀ	ood Toxin		х
Pyrophoric Material		х	Toxic Agent		х	Co	orrosive Material		х	Ne	ervous Sys, Toxin		х
Explosive Material		х	Highly Toxic Agent		х	Co	ompressed Gas		х	Lu	ıng Toxin		х
Unstable Material		х	Sensitizer		х	Irr	itant		х		ver Toxin		х
Water Reactive Mat. X Carcinogen			Carcinogen		x	بيبين		770 FOR STATE OF STAT		Ki	dney Toxin		Х
Comments:													
1													

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

SECTION III	PHY	SICAL DATA			
Melting Point: 200 °F		Vapor Pressure (mm Hg): NA			
Boiling Point: NA		Vapor Density (AIR=1): NA			
Specific Gravity (H <sub>2</sub> O	<b>)=1)</b> : <u>1.42</u>	Solubility in Water: Insoluble			
Appearance and Odoi	r: white/gray and o	dorless solid			
SECTION IV	FIRE AND EXP	LOSION HAZARD DATA			
Flash Point (method u	ısed): <u>735</u> °F				
LEL: N/A		UEL: N/A			
Extinguishing Media:	Water spray, ABC	dry chemical, carbon dioxide			
Special Fire fighting Procedures: Fire fighters should be equipped for protection against high heat,					

Unusual Fire and Explosion Hazards: Under burning conditions, PVC 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.

depletion of oxygen, heavy smoke and molten plastic.

SECTION V		REACTIVITY DATA					
A.	Stability:	⊠ Stable		Jnstable			
	Conditions to	Conditions to Avoid: N/A					
. В.	Hazardous Po	lymerization:	☐ May Occur	☑ Will Not Occur			
	Conditions to	Conditions to Avoid: N/A					
C.	Incompatible Materials: None known						
D.	Hazardous Decomposition Products: Hydrogen chloride, carbon monoxide, carbon dioxide and small amounts of benzene and aromatic and aliphatic hydrocarbons.						

SECTION V	I	HEALTH			
Route(s)	of Entry:	☑ Inhalation	☐ Ingestion	□ Skin	
Health H		ceived do not preser	nt an inhalation, skin controls combustion of the fitting	tact or eye contact hazard. Listed	
A.	Metals:				
	in contact with the	pound: Organic tin of eyes or skin. Organic on cause skin lesions of	tin compounds are primar	ody if they are inhaled or if they com y skin irritants capable of penetrating	e
В.	Other Constitue	nts:			
				orted to cause pulmonary damage, an cause allergic dermatitis.	
	estation of the second of the				
C.	Carcinogenicity	□ NTP	□IARC	□ OSHA	
	None of the constit	tuents show carcinoge	enicity.		
D.	Emergency First	t Aid:			
	Not applicable to f	inished fittings.			
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None.

SECTION V	TH SPILL OR LEAK PROCEDURES
A.	Special Handling or Storage: Store fittings away from weather and sources of heat.
В.	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

SECTION V	III SPE	CIAL PROT	ECTION IN	FORMATION				
A.	NIOSH approved for organic vapor when Respiratory Protection (specify type): solvent welding in poorly ventilated areas.							
В.	Ventilation:			☐ Mechanical (General)				
	Other (specify): N/A	4						
C.	Eye Protection:	⊠ Yes	□ No	Type: glasses or goggles when solvent welding				
D.	Protective Gloves:	⊠ Yes	□ No	rubber or PVA coated Type: when solvent welding				
E.	Other Protective Eq	uipment or	Clothing:	□ Yes ⊠ No				
	Type: N/A	······································	· · · · · · · · · · · · · · · · · · ·					
F.	<b>Special Precautions</b>	or Work Pr	actices: N/A					

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