MSDS No.: FP-3

Creation Date: <u>06/01/1989</u>
Last Date Revised: <u>06/01/1</u>995
Last Date Reviewed: <u>06/09/2</u>004



MATERIAL SAFETY DATA SHEET

SECTION I		GENERAL INFORMA	ATION		
A.	Material Name:	Wrot Copper Fittings			
	Other Names: Sw	veat; solder fittings Che	hemical Family: Copper		
В.	Manufacturer:	NIBCO INC. 1516 Middlebury Street P.O. Box 1167 Elkhart, IN 46515	Telephone: 574-295-3000 For chemical emergency - spill, leak, fire exposure or accident, call: CHEMTEL 1-800-255-3924 day or night		

SECTION II	HAZ	ARD(OUS	IN	GREDIENTS							
Ingredi	ent	CAS # Weight %		6	ACGIH TLV			OSHA I	OSHA PEL			
Copper			7440-50-8	99.9%			0.2 mg/m³ fume 1 mg/m³ dust		0.1 mg/m³fume 1 mg/m³ dust			
Phosphorus			7723-14-0	0.0	-0.05		0.1 mg/m^3			0.1 mg/m ³		
			KNOWN HAZ	ZARΓ)S III	ND.	ER 29 CFR 1	910.12	200			
	Yes	No		Yes	No			Yes	No		Yes	No
Combustible Liquid		X	Skin Hazard		X	Ох	kidizer		Х	Reproductive Toxin		х
Flammable Material		X	Eye Hazard		X	Or	ganic Peroxide		X	Blood Toxin		Х
Pyrophoric Material		Х	Toxic Agent		Х	Сс	orrosive Material		Х	Nervous Sys. Toxin		Х
Explosive Material		X	Highly Toxic Agent		X	Сс	ompressed Gas		X	Lung Toxin		X
Unstable Material		X	Sensitizer		X	Irr	itant		X	Liver Toxin		X
Water Reactive Mat.		X	Carcinogen		X					Kidney Toxin		X
Comments: The	follov	ving ir	ngredients must be rep	orted	under	sect	ion 313 of SARA	- copp	oer, ph	osphorus		
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MSDS NO. FP-3 Last Date Revised: 6/1/95 PAGE 1 of 5

SECTION II HAZARDOUS 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			

SHIPPING I.D. N	UMBER: N/A			4 - SEVERE		
SECTION II	I	PHY	YSICAL DATA			
Meltii	ng Point: <u>1981 °F (</u> a	approx.)	Vapor Pre	essure (mm Hg): N/A		
Boilin	g Point: N/A		Vapor Dei	nsity (AIR=1): N/A		
Specif	Specific Gravity (H ₂ O=1): 8.94 Solubility in Water: Insoluble					
Appea	arance and Odor: <u>c</u>	orange-red (copp	per) solid with no odo	r		
SECTION IV			PLOSION HAZARD			
	·	•				
	N/A					
	5					
Specia	al Fire fighting Pro	ocedures: N/A				
Unusi	ial Fire and Explos	sion Hazards: N	J/A			
SECTION V		REAC'	TIVITY DATA			
A.	Stability	ĭ Stable	□ I	Instable		
	Conditions to Av	oid: N/A				
В.	Hazardous Polyn	nerization:	☐ May Occur	☑ Will Not Occur		
	Conditions to Av	oid: N/A				
C.	Incompatible Ma	terials: N/A				
D.	Hazardous Decor	nposition Produ	ucts: N/A			
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MSDS NO. FP-3 Last Date Revised: 6/1/95 PAGE 2 of 5

SECTION VI			HEALTH HAZ	ZARD DATA	
Route(s)	of Entry:	⊠ In	halation	Ingestion Ingestion	□ Skin
		s received do			eye contact hazard. Listed hazards
A.	Metals:				
	fever, chills, a	aches, dry thr	roat and nausea. Otl		"with flu-like symptoms including: sposure may include metallic taste,
	on contact wit	th the skin m	nay ignite and produ		nose, throat and lungs. Phosphorus ith blistering. Phosphorus is
B.	Other Const	tituents:			
	N/A				
C.	Carcinogeni	icity:	□ NTP	□ IARC	□ OSHA
	None of the co	onstituents sl	how carcinogenicity	y.	
D.	Emergency	First Aid:			
	Not applicable	e to finished	fittings.		

MSDS NO. FP-3 Last Date Revised: 6/1/95 PAGE 3 of 5

SECTION VII	SPILL OR LEAK PROCEDURES
	Special Handling or Storage: Keep dry if metal is to be remelted.
	Spill or Leak Containment: Recover solid material, no environmental hazard anticipated.
	Waste Disposal: Recycle when possible, consult state and federal regulations for landfill disposal.
	Other Precautions: None.

SECTION V	III SPE	CIAL PROT	TECTION IN	FORMATION		
A.	Respiratory Protect	ion (specify	type): <u>NIOSH</u>	approved for to	oxic dust/ fumes if remel	ting
В.	Ventilation:	□ Local E	xhaust	☐ Mechani	cal (General)	
	Other (specify): N/A	Λ				
C.	Eye Protection:	□ Yes	ĭ No	Type:		
D.	Protective Gloves:	□ Yes	⊠ No	Type:		
E.	Other Protective Eq	quipment or	Clothing:	□ Yes	⊠ No	
	Type: N/A					
F.	Special Precautions	or Work Pi	ractices: 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.

MSDS NO. FP-3 Last Date Revised: 6/1/95 PAGE 4 of 5

PRODUCT NAME: Wrot Copper Fittings

MSDS No: FP-3

NIBCO AHEAD OF THE FLOW

NIBCO INC. 1516 Middlebury St. P.O. BOX 1167 ELKHART, IN 46516 574-295-3000

Refer to Material Safety Data Sheet for more information

NFPA RATING AS SHIPPED

FIRE HAZARD		
4. EXTREMELY DANGEROUS AND EXPLOSION HAZARD		
3. FIRE AND EXPLOSION HAZARD		
2. WILL BURN AT TEMPS ABOVE 100 ⁰ F		
1. WILL BURN AT TEMPS ABOVE 200 °F		
0. WILL NOT BURN		
HEALTH	REACTIVITY	
HAZARD		
4. EXTREME HAZARD -	HAZARD	
AVOID CONTACT OR	4. EXTREME HAZARD -	
BREATHING VAPOR (RED)	VACATE AREA IN	
BREATHING VAFOR	CASE OF FIRE	
O OF VERE HAZARD HOE		
3. SEVERE HAZARD - USE	3. SEVERE EXPLOSION	
SPECIAL CLOTHING	HAZARD	
AND MASKS (BLUE) (YELLOW)		
0 0	2. VIOLENT CHEMICAL	
2. HAZARDOUS - USE	CHANGE POSSIBLE	
MASKS OR SPECIAL		
VENTILATION	1. UNSTABLE IF	
	HEATED	
1. SLIGHTLY HAZARDOUS	HEATED	
- IRRITATING W	0. NORMALLY STABLE	
/ · · · · · · · · · · · · · · · · · · ·	U. NORWALLY STABLE	
0. NORMAL MATERIAL USE NO POLYMERIZES		
U. NORWALIWATERIAL WATER	<u> </u>	
CAUTION!		
Welding, cutting or remelting of this product		
may generate toxic fumes or dust. Refer to MSDS and	\	
health hazards and target organ effects listed below.	<u> </u>	
<u> </u>		

INGREDIENTS

Iron, silicon, manganese. See Material Safety data Sheet for a listing of minor ingredients.

SARA SECT. 313 NOTIFICATION

Aluminum, chromium, copper, nickel, manganese.

STORAGE AND HANDLING

Material should be kept dry if it is to be melted to prevent steam explosion.

□ TOXIC □ HIGHLY TOXIC □ REPRODUCTIVE TOXIC □ SENSITIZER	□ CARCINOGEN □ ■ NO KNOWN EFFECTS
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LI REPRODUCTIVE TOXIC		\square S	ENSITIZER	M NO KNOWN EFFECTS		
	IMMEDIATE	AN	ID DELAYED HEALTI	H EFFE	ECTS	
	HEPATOXINS (LIVER DAMAGE) - jaundice, liver enlargement		HEMATOPOIETICS (BLOOD DAMAGE) - cyanosis, unconsciousness		CUTANEOUS HAZARDS - skin damage, rashes, irritation, defatting of skin	
	NEPHROTOXINS (KIDNEY DAMAGE) - edema, proteinuria		PULMONARY DYSFUNCTIONS (Lun Damage) - shortness of breath, chest tightness, cough	g 🗆	EYE HAZARDS - impaired vision, conjunctivitis, corneal damage	
	NEUROTOXINS (NERVOUS SYSTEM DAMAGE) - narcosis, behavioral changes, decrease in motor functions		REPRODUCTIVE TOXINS - birth defects, sterility	×	NONE - no known immediate or delayed effects	

MSDS NO. FP-3 Last Date Revised: 6/1/95 PAGE 5 of 5