

MATERIAL SAFETY DATA SHEET

SECTION I	GENERAL INFORMATION						
A.	Material Name: Wrot Copper Fittings						
	Other Names: Swea	nical Family: Copper					
B.	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 H				HAZARDOUS INGREDIENTS								
Ingredient			CAS #	Weight %		6	ACGIH TLV			OSHA PEL		
Copper			7440-50-8	99.9%			$0.2 \text{ mg/m}^3 \text{ fume}$ 1 mg/m ³ dust			0.1 mg/m ³ fume 1 mg/m ³ dust		
Phosphorus			7723-14-0	0.0-0.05			0.1 mg/m^3			0.1 mg/m^3		
			KNOWN HAZ	LARI	DS UI	ND.	ER 29 CFR 19		200			
	Yes	No		Yes	No			Yes	No		Yes	No
Combustible Liquid		Х	Skin Hazard		х		kidizer		X	Reproductive Toxin		Х
Flammable Material		Х	Eye Hazard		X	Or	ganic Peroxide		X	Blood Toxin		Х
Pyrophoric Material		Х	Toxic Agent		X	Co	orrosive Material		X	Nervous Sys. Toxin		Х
Explosive Material		Х	Highly Toxic Agent		X	Co	ompressed Gas		x	Lung Toxin		Х
Unstable Material		Х	Sensitizer		x	Irritant			x	Liver Toxin		Х
Water Reactive Mat. x		Carcinogen		х					Kidney Toxin		Х	
Comments: The	follov	ving ii	ngredients must be rep	oorted	under	sect	tion 313 of SARA	- copp	ber, pł	osphorus		

SECTION II HAZARDOUS INGREDIENTS (CONTINUED)									
SHIPPING I	NFORMATION		SPECIAL HA	ZARD DESI	GNATI	ONS			
DOT HAZARD C				HMIS	NFPA	HAZARD RATING			
DOT SHIPPING	NAME: N/A	HEALTH:		0	0	0 - MINIMAL			
		FLAMMABI		0	0	1 - SLIGHT			
		REACTIVITY		0	0	2 - MODERATE 3 - SERIOUS			
SHIPPING I.D. N	IIMBER: N/A	PROTECTIV	E EQUIPMENT:	-	-	4 - SEVERE			
Shiri i i to i.b. i						1 SEVERE			
SECTION II	I	PHYS	SICAL DATA						
Melti	ng Point: <u>1981 °F (appro</u>	x.)	Vapor Pre	essure (mm H	Ig) : N/A				
	g Point: N/A	£	_	nsity (AIR=1	0,				
	ic Gravity (H ₂ O=1): <u>8.9</u>	24	-	in Water: Ins	, ,				
Speci	ic Gravity (11 <u>2</u> 0–1). <u></u>	74	Solubility	III water. <u>III</u>	solutic				
Appea	arance and Odor: <u>orang</u>	e-red (copper	r) solid with no odo	r					
<u> </u>									
SECTION IV	/ FIRE	AND EXPI	LOSION HAZARI) DATA					
Flash	Point (method used): <u>N</u>	/A							
			UEL: N/A						
Extin	guishing Media: <u>N/A</u>								
Specia	al Fire fighting Procedu	res: N/A							
Unusi	al Fire and Explosion 1	Hazards: N//	Δ						
Onus	Unusual Fire and Explosion Hazards: N/A								
SECTION V		REACT	IVITY DATA						
A.	Stability 🖂] Stable		Unstable					
11.	·								
	Conditions to Avoid: <u>1</u>	N/A							
B.	Hazardous Polymeriz	ation:	□ May Occur	🗵 Will N	Not Occu	r			
	Conditions to Avoid: <u>N/A</u>								
C.	Incompatible Materials: N/A								
D.	Hazardous Decomposition Products: N/A								
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SECTION VI

HEALTH HAZARD DATA

Route(s) of Entry:

 \boxtimes Inhalation

Ingestion

 \Box 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:

Copper: Exposure to fumes or dusts may produce "metal fume fever" with flu-like symptoms including: fever, chills, aches, dry throat and nausea. Other symptoms of overexposure may include metallic taste, discoloration of the skin or hair and irritation of eyes, nose or throat.

Phosphorus: The vapors of burning phosphorus are irritating to the nose, throat and lungs. Phosphorus on contact with the skin may ignite and produce severe skin burns with blistering. Phosphorus is especially hazardous to the eyes and may produce severe damage.

B. **Other Constituents**:

N/A

C.	Carcinogenicity :	\Box NTP	□ IARC	\Box OSHA

None of the constituents show carcinogenicity.

D. Emergency First Aid:

Not applicable to finished fittings.

SECTION VI	II SPILL OR LEAK PROCEDURES
A.	Special Handling or Storage: Keep dry if metal is to be remelted.
В.	Spill or Leak Containment : Recover solid material, no environmental hazard anticipated.
C.	Waste Disposal: Recycle when possible, consult state and federal regulations for landfill disposal.
D.	Other Precautions: None.
SECTION V	III SPECIAL PROTECTION INFORMATION
SECTION V	

B.	Ventilation:	□ Local Ex	haust	□ Mechanical (General)		
	Other (specify): <u>N/</u>	A				
C.	Eye Protection:	□ Yes	🗵 No	Туре:		
D.	Protective Gloves:	□ Yes	🗵 No	Туре:		
E.	Other Protective Equipment or Clothing:			□ Yes ⊠ No		
	Type: <u>N/A</u>					
F.	Special Precautions or Work Practices: N/A					

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PRODUCT NAME: Wrot Copper Fittings

FP-3



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

Refer to Material Safety Data Sheet for more information

MSDS No:

NFPA RATING AS SHIPPED

