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# U.S. DEPARTMENT OF LABOR Occupational Safety and Health Administration

## MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

#### SECTION I

COMPANY: EURO TOOL, Inc.

#### **EMERGENCY INFORMATION**

Emergency telephone number (CHEMTEL): (800) 255-3924

(CHEMTEL International): (+01) 813-248-0585

Collect calls are accepted

COPPER SOLDER PASTE, 1/2 OZT, SOFT - SOL-824.10

92.5% Cu, 7.5% P

### SECTION II - HAZARDOUS INGREDIENTS\*

Filler Metal & Flux Components	Cas#	•	ACGIH*	Decomposition Products	Cas#	a de	AUGIH*
Copper (Cu)	7449-50-8	92.	N.A.	Copper Fume (Cu)	7440 :-50-8	92.	0.2 mg
Phosphorus (P)	7723-14-0	7.5	N.A.	Phosphorus Fume (P)	7723-14-0	7.5	0.1 mg
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\*Thought should also be given to the filler metal and base metals being joined and to possible base metal coating which could emit fumes on heating, depending on their particular chemistry.

\*\*Approximate milligrams of substance per cubic meter of air or parts per million-time weighted average per workday. (See ANSI/AWS Fl.l for sampling and testing methods).

•	SECTION III -	PHYSICAL DATA	
BOILING POINT (FF)	N A	SPECIFIC GRAVITY (M gO-1)	N.A.
VAPOR PRESSURE (mm Hg )	N.A.	PERCENT, VOLATILE BY VOLUME (%)	N.A.
MAPON DENSITY (AIR+1)	N.A.	EVAPORATION RATE	N.A.
SOLUBILITY IN WATER	N.A.		
APPEARANCE AND ODOR	Metall	ic- rod, strip, wire, or po	wder

SECTION IV — FIRE AND EXPLOSION HAZARD DATA						
FLASH POINT (NAMES USES)		N.A.	N.A.	ARI	. 981	
EXTENDUISHING MEDIA		N.A.				
BPECIAL FIRE FIGHTING PROCEDURES		N.A.				
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ARRIBUAL FIRE AND EXPLOSION MAZARDS		N.A			4	

SECTION V - HEALTH HAZARD DATA							
TRESHOLD LIMIT VALUES: 0.2 mg/m³ Cu fume; 0.1 mg/m³ P fume							
MAJOR EXPOSURE HAZARD: Inhalation							
CUMULATIVE LIMITS: Welding (Brazing) Fumes- Total Particulate $(C_1+C_2) \leq 1 \text{ mg/m}^3$							
(C=Concentration: T=TLC) $(C_1/T_1+C_2/T_2C_N/T_N \le 1)$							
				upper respiratory tract			
				sphorus poisoning usually			
occurs as a result of a	ccidental or suid	cida	l ingestion. Carious t	eeth and poor dental			
hygiene increase suscept	tibility.						
FIRST AID: If dust or	fumes gets into e	eyes	irrigate immediately.	If a person breathes in			
large amounts of dust or fumes, move the exposed person to fresh air at once, contact							
physician, and give oxy	gen or artificial	l res	spiration. If swallowe	ed get medical attention			
immediately. Give large							
scious person vomit.	•		•				
	SECTION	VI -	REACTIVITY DATA				
STABILITY	UNSTABLE		CONDITIONS TO AVOID				
		6					
	STABLE						
	01.22	x	Stable at room tempera	ture			
INCOMPATABILITY (MATERIALS TO AVOID: N.A.							
HAZARDOUS DECOMPOSITION PRODUCTS: Cu fumes, P fumes may be generated during brazing							
IMZANDOOD DECOMI OOTITOR			cheating	during bruzing			
HAZARDOUS	MAY OCCUR		CONDITIONS TO AVOID				
POLYMERIZATION	TAI OCCOR		CONDITIONS TO AVOID				
FOLIPERIZATION	WILL NOT OCCUR	$\overline{}$					
	WILL NOT OCCUR	x					
	SECTION VII		LL OR LEAK PROCEDURES				
CUEDO TO DE TAVEN IN CAS				blem in picking up wire,			
				blem in picking up wife,			
rod, or srip form of the	alloy, for use,	rec	Taim of Scrap.				
WASTE DISPOSAL METHOD:							
througth a licensed wast	te disposal compa	my,	in accordance with Fed	eral, State, and Local			
regulations. The dispos		tume	es (see section VIII) f	rom the exhaust venti-			
lation system must be co							
			L PROTECTION INFORMATI				
RESPIRATORY PROTECTION: None for brazing in properly ventilated area. In confinded space							
use an airline respirator or hose mask. NIOSH U.S. Bureau of Mines approved hose type C							
or self-contained air-re							
VENTILATION	LOCAL EXHAUST: A	SPECIAL:					
FOR FUMES	100 linear ft./min.	in b	azing zone.	See Footnote			
AND GASES	ES MECHANICAL:			OTHER:			
	2000	cu.	ft./min./brazer	See Footnote			
PROTECTIVE GLOVES:			EYE PROTECTION: Plast	ic frame safety glasses with			
Leathe	er Welding Gloves	;	side shields filter lense				
OTHER PROTECTIVE EQUIPMENT: Normal clothing for torch brazing							
SECTION IX - SPECIAL PRECAUTIONS							
PRECAUTIONS TO BE TAKEN IN HANDLING & STORING: Avoid heating above recommended brazing temperature							
range (1325-1500°F) as excessive fumes may result. Store brazing alloy, carefully in a clean, dry place to							
prevent contamination. Keep away from strong oxidizing agents.							
OTHER PRECAUTIONS: Follow safety and legal requirements in brazing with this alloy and using a fluoride-							
containing flux (a usual pract							
and throat. Avoid fumes. (TL)							
or skin. Do not take flux int							
*FOOTNOTE: Refer to "OSHA Standard 29 CFR 1910" from the U.S. government printing office Washington D.C.							
0 VO2 and ANSI standard 249.1- "Safety in Welding & Outting", published by the American Welding Society.							