This Material Safet	y Data Sheet	(MSDS) complies with the req	uirements of	OSHA's Hazard Com	munication Standard.	
	BAI	RE ar	nd/or FLUX-CO	DATED	BRONZE		
212	N A A		E	mergency	Phone Number	r.	
<u>RADNOR</u>			866-73A-3A38				
Data: April 20, 2006			Draduat Information Number: 999 929 0615				
Date: April 30, 2000 Product information Number, 886-858-0015							
Product Name/Class Bare Bronze/Flux_Coated Bronze							
Product Number	00401	5					
Manufacturer	Radnor	Weldin	g Products 259 N Radnor-Chester Road Suite 100 Radnor PA 19087-5283				
SECTION 2 – HAZARDOUS INGREDIENTS							
	CLONI	1		ACGIH		SARA Sec 313	
Material	CAS Nu	mber	% By weight		TLV	Reporting	
Bare Bronze Only							
Copper	7440-50-8		58.0 - 60.0	.2 MG/M ³		Yes	
Iron	7439-8	9-6	.2550	5 MG/M ³ Fe203 Fe		N/A	
Tin	7440-31-5		0.50 - 1.0	2 MG/M^3		N/A	
Zinc	7440-66-6		Balance	(approx.) 5 MG/M ³		Yes	
Manganese	7439-96-5		0.10 - 0.25	NIC-0.2		Y es	
Silicon /440-21-3 0.12 - 0.30 10 N/A						IN/A	
Boric Acid 100/3-35-3 50 5 MG/MG3 (NOC) N/A							
Borax Glass	1303-96-4		2.0	1 MG/M3		N/A	
Conner	7440-5	0-8	58 - 60.0	2 MG/M^3		Yes	
Iron	7439-89-6		0.25 - 0.50	5 MG/M ³ Fe203 Fe		Yes	
Tin	7440-3	1-5	0.50 - 1.0	2 MG/M ³		N/A	
Zinc	7440-66-6		Balance	(appr	ox.) 5 MG/M ³	Yes	
Manganese	7439-9	6-5	0.10-0.25	NIC-0.2		Yes	
Silicon	7440-21-3		0.12 - 0.30	10		N/A	
SECTION 3 – PHYSICAL CHARACTERISTICS							
Boiling Point: Spe			cific Gravity ($H_2O = 1$): Solubility in			er :	
N/A		8.3 -	8.3 – 8.5 G/CC		N/A		
v apor Pressure (mm Hg): N/A		Melting Point:		% Volatile:			
Vapor Density (Air = 1): N/A		Evaporation Rate (Butyl Acetate=1): N/A		Appearance and Odor:			
				tectute 1).	Bare or Coated Bronze Rod.		
					No odor.		
SECTION 4 – FIRE and EXPLOSION HAZARD DATA							
Flash Point (Metho	d Used):		Flammable Limits:		LEL: N/A		
N/A			Tianimable Linits.		UEL: N/A		
Extinguishing Media: Never use water as an extinguishing agent around molten metal. Water will react violently around any molten metal. Use dry chemical, CO ₂ or sand.							
Special Fire Fighting Procedures: Non Flammable. Welding arc and sparks can ignite combustibles and							
flammables. Refer to American National Standard Z49.1 for fire prevention during the use of welding							
and amed procedures.							
Stability Unstable Conditions to Avoid: N/A							
Stable X							
Incompatibility (Materials to Avoid): N/A							
Hazardous Decomposition or Byproducts: N/A							
Hazardous May Occur Conditions to Avoid: N/A							
Polymerization Will Not Occur							
	SECTION 6 – HEALTH HAZARD DATA						
Routes of Entry: 🛛 Inhalation 🖾 Skin 🖾 Ingestion							
Health Hazards (A	cute and Cl	ironic)	Chronic exposure	to: Mangar	ese, Copper & Zind	c may cause metal	
Chronic exposures	may affect	the ce	ntral nervous system	α body ac n leading to	ne, aryness of the emotional disturb	ance, gait, balance	
difficulties & paralysis. Comper overexposure – may cause skin & bair discoloration							

MATERIAL SAFETY DATA SHEET

