

MATERIAL SAFETY DATA SHEET

Revised: 10/5/84

SECTION I

MANUFACTURER'S NAME <u>THERMACOTE- WELCO</u>		EMERGENCY TELEPHONE NO. <u>704-739-6421</u>
ADDRESS (Number, Street, City, State, and ZIP Code) <u>Hwy 161, YORK RD. KINGS MOUNTAIN, N.C. 28086</u>		
CHEMICAL NAME AND SYNONYMS <u>N.A.</u>		TRADE NAME AND SYNONYMS <u>WELCO - 203FC</u>
CHEMICAL FAMILY <u>Alloy of Silver, Copper, Zinc, Tin</u>	FORMULA <u>N.A.</u>	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)	
PIGMENTS			Ag - CAS #7440-22-4 (2, 4)	56	.01 mg as Ag / M ³	
CATALYST			Cu - " #7440-50-8 (2, 4)	22	.1 mg as Cu / M ³	
VEHICLE			Zn - " #7440-66-6 (5)	17	5 mg as Zn / M ³ Oxide Fum	
SOLVENTS			Sn - " #7440-3-5 (4)	5	2 mg as Sn / M ³	
ADDITIVES						
OTHERS						
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES					%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	N.A.	SPECIFIC GRAVITY (H ₂ O = 1)	9.49
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR = 1)	N.A.	EVAPORATING RATE (_____ = 1)	N.A.
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA N.A.

FLASH POINT (Method used)	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES At high temperatures this alloy could melt and continuous heating could produce metal vapor.			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE
Zinc vapors when heated form zinc oxide. When inhaled can cause habituation which you become immune to.

EMERGENCY AND FIRST AID PROCEDURES
Keep patient warm and get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY <i>(Materials to avoid)</i> N.A.			
HAZARDOUS DECOMPOSITION PRODUCTS Zinc vapors while brazing.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID Avoid overheating while brazing to
	WILL NOT OCCUR	X	minimize zinc vaporization.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
No hazards from spills.

WASTE DISPOSAL METHOD
Has reclaim value as scrap due to silver and copper content.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*
In confined space use air supplied respirator.

VENTILATION	LOCAL EXHAUST	X	SPECIAL	N.A.
	MECHANICAL <i>(General)</i>	X	OTHER	
PROTECTIVE GLOVES	X	EYE PROTECTION	X	
OTHER PROTECTIVE EQUIPMENT Provide good ventilation and avoid overheating while brazing.				

SECTION IX - SPECIAL PRECAUTIONS N.A.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

OTHER PRECAUTIONS