

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

MATERIAL SAFETY DATA SHEET

C61036

SECTION I

MANUFACTURER'S NAME THERMACOTE - WELCO COMPANY	EMERGENCY TELEPHONE NO. 704-739-6421
ADDRESS (Number, Street, City, State, and ZIP Code) HWY 161 YORK ROAD POB 112 KINGS MOUNTAIN NORTH CAROLINA	
CHEMICAL NAME AND SYNONYMS N.A.	TRADE NAME AND SYNONYMS WELCO 201
CHEMICAL FAMILY Alloy of Silver, Copper, Zinc	FORMULA N.A.

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			Ag - CAS #7440-22-4 (2, 4)	45	.01 Mg/M ³ as Ag
CATALYST			Cu - " #7440-50-8 (2, 4)	30	.1 Mg/M ³ as Cu
VEHICLE			Zn - " #7440-66-6 (5)	25	5 Mg/M ³ as Zn Oxide Fume
SOLVENTS					
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Liquidus Solidus	1370°F 1225°F	SPECIFIC GRAVITY (H ₂ O = 1)	9.15
VAPOR PRESSURE (mm Hg.)		N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
VAPOR DENSITY (AIR = 1)		N.A.	EVAPORATING RATE (<u> </u> = 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	L _{cl}	U _{cl}
EXTINGUISHING MEDIA			
SPECIAL FIRE FIGHTING PROCEDURES			
SPECIAL FIRE AND EXPLOSION HAZARDS			

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA N.A.

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE
Zinc vapors when heated form zinc oxide. When inhaled can cause habituation.

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

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATABILITY (Materials to avoid)
N.A.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES N.A.

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 (General)	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