

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

Form Approved
OSHA No. 44-R1387

MATERIAL SAFETY DATA SHEET

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 28086		
CHEMICAL NAME AND SYNONYMS N.A.		TRADE NAME AND SYNONYMS WELCO 204FC
CHEMICAL FAMILY Alloy of Silver, Copper, Zinc, Cadmium	FORMULA	

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)	15	.1 Mg/M ³ as Cu
VEHICLE			Cd - " #7440-43-9 (1, 2, 3, 4)	24	.05 Mg/M ³ as Cd
SOLVENTS			Zn - " #7440-66-6 (5)	16	5 Mg/M ³ as Zn Oxide Fur.
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)	9.34
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			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
See Section II

EFFECTS OF OVEREXPOSURE

Cadmium poisoning - Ingestion and inhalation will cause vomiting, diarrhea, headache, dizziness, fever, chest pains and breathlessness.

EMERGENCY AND FIRST AID PROCEDURES

Keep patient warm and obtain immediate medical attention.

SECTION VI - REACTIVITY DATA

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

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 <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