

U. S. DEPARTMENT OF LABOR  
Occupational Safety and Health Administration  
**MATERIAL SAFETY DATA SHEET**

Form Approved  
OMB No. 44-R1387

11-8-85

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

**SECTION I**

MANUFACTURER'S NAME THERMACOTE WELCO		EMERGENCY TELEPHONE NO. 704-739-6421
ADDRESS (Number, Street, City, State, and ZIP Code) HWY 161, YORK ROAD, KINGS MTN., N.C. 28086		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS QUICK HARD
CHEMICAL FAMILY	FORMULA	

**SECTION II HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS	0		BASE METAL	0	
CATALYST	0		ALLOYS	0	
VEHICLE	0		METALLIC COATINGS	0	
SOLVENTS	0		FILLER METAL PLUS COATING OR CORE FLUX	0	
ADDITIVES	0		OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
CAS # 13102-62-3		Sodium Ferrocyanide			
CAS # 13943-58-3		Potassium Ferrocyanide			
CAS # 197-19-8		Anhydrous Sodium Carbonate			

**SECTION III PHYSICAL DATA**

BOILING POINT (°F.)	N/A	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.08
VAPOR PRESSURE (mm Hg.)	0	PERCENT VOLATILE BY VOLUME (%)	0
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ = 1)	0
SOLUBILITY IN WATER	36		
APPEARANCE AND ODOR	Yellowish-white, granular powder		

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (Method used)	Non-flammable	FLAMMABLE LIMITS	LeL	UeL
EXTINGUISHING MEDIA				
SPECIAL FIRE FIGHTING PROCEDURES	NONE			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Toxic hydrogen cyanide gas formed if heated to decomposition			

**SECTION V HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE  
None - Very low toxicity

EFFECTS OF OVEREXPOSURE  
None

EMERGENCY AND FIRST AID PROCEDURES  
None

**SECTION VI REACTIVITY DATA**

STABILITY	UNSTABLE	X	CONDITIONS TO AVOID Hot concentrated acids, irradiation of solutions, or excessive heat to decomposition
	STABLE		

INCOMPATIBILITY (Materials to avoid)  
Acids,  $Cu(NO_3)_2$

HAZARDOUS DECOMPOSITION PRODUCTS  
Hydrogen Cyanide

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

**SECTION VII SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
Sweep up or vacuum

WASTE DISPOSAL METHOD  
Hazardous waste disposal facility for ferrocyanide disposal

**SECTION VIII SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION (Specify type)  
Air supplied respirators if welding or brazing in confined areas

VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General) Industrial ventilation recommended	OTHER

PROTECTIVE GLOVES Welders Gloves	EYE PROTECTION Welders Goggles
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OTHER PROTECTIVE EQUIPMENT  
Welders mask, apron, leggins

**SECTION IX SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING  
Store in a cool, dry place when not in use

OTHER PRECAUTIONS  
Absolutely avoid contact with acids, excessive temperatures and irradiation of solutions.