

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

Form Approved
OSHA No. 44-R-1117

Date prepared: 11/25/85

MATERIAL SAFETY DATA SHEET

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 HWY 161, YORK ROAD, KINGS MOUNTAIN, N.C. 28086		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS 3-AH	
CHEMICAL FAMILY	FORMULA	

SECTION II HAZARDOUS INGREDIENTS

	OTHER	WT.	TLV (units) MG/M ³
	C.	0.98	Inert
	Si.	0.3	
	Mn	0.5	5
	Cr.	5.1	1
	Mo.	1.0	15
	V	0.2	0.5
	Fe Balance		1

*The term "hazardous" should be interpreted as a term required and defined in the OSHA Hazard Communications Standard (29CFR 1910.1200) and does not necessarily imply the existence of any hazard.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ = 1)	
SOLUBILITY IN WATER	NO		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	N/A	FLAMMABLE LIMITS	LoL	UoL
EXTINGUISHING MEDIA				
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE SEE SECTION II

EFFECTS OF OVEREXPOSURE
 During or after welding. Faintness, possible nausea, dazzle

EMERGENCY AND FIRST AID PROCEDURES
 Remove to fresh air, Call physician

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

WASTE DISPOSAL METHOD

NOT APPLICABLE

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Weld fume respirator or airline respirator for confined space or where exposures are above TLV

VENTILATION	LOCAL EXHAUST Yes, in confined space	SPECIAL Yes, inside confined vessels OTHER
	MECHANICAL (General) Yes, where exposure exceeds TLV	

PROTECTIVE CLOVES
 welders protective gloves

EYE PROTECTION
 colored absorptive glasses

OTHER PROTECTIVE EQUIPMENT
 Welding helmet and protective clothing such as leather apron

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Avoid humidity and shocks

OTHER PRECAUTIONS
 Arc and sparks could be source of ignition of combustible products.