

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 Thermacot-e Welco		EMERGENCY TELEPHONE NO. 704-739-6421
ADDRESS (Number, Street, City, State, and ZIP Code) Box 161, York Rd., Kings Mtn. N.C. 28086		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS PA-1500
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL Nickel	71.25	1mg
CATALYST			ALLOYS C. .50, Si. 4.25, Fe. 4.00		
VEHICLE			Boron-4.0, Cr. 16.0 METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

XXXXXXXXXX Fusion Temp	1900F	SPECIFIC GRAVITY (H ₂ O=1)	8.9
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR Gray Metallic Color-No odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) N/A	FLAMMABLE LIMITS N/A	Lel N/A	Uel N/A
EXTINGUISHING MEDIA Graphite, Dolomite or Sodium Chloride			
SPECIAL FIRE FIGHTING PROCEDURES Do Not Use Water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS Not considered explosive, however, finely divided particulate in the form of a dust cloud can ignite if contacted by a source of ignition.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	1. mg per cu meter of air
EFFECTS ON OVEREXPOSURE	Nickel bearing dust may irritate the skin. No acute respiratory reaction or conclusive chronic effects from exposure to nickel metal have been observed, but proper industrial hygiene required maintenance of working atmosphere to concentration below the recommended TLV.
EMERGENCY AND FIRST AID PROCEDURES	Remove to fresh air, wash eyes and areas of skin contact with copious amounts of clean water.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	x	
INCOMPATIBILITY (Materials to avoid)			
Reacts with mineral acids to liberate hydrogen			
HAZARDOUS DECOMPOSITION PRODUCTS			
Evolved hydrogen may become explosive hazard			
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
Can be swept and/or shoveled up and replaced in original container. Care should be taken to maintain work area atmosphere below TLV level.
WASTE DISPOSAL METHOD
If product is no longer useful dispose according to appropriate local solid waste ordinances.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
NIOSH approved type TC-21-C dust mask.		
VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION
		Safety glasses or goggles.
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Nickel Powder should be handled and stored in closed containers
OTHER PRECAUTIONS
avoid skin contact.