

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 (Number, Street, City, State, and ZIP Code) York Rd. Hwy 161, Kings Mtn. N.C. 28086		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS PA 1700	
CHEMICAL FAMILY	FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			XXXXXXXX Nickel	76.47	
CATALYST			XXXXX Copper	20.00	
VEHICLE			XXXXXXXXXX Carbon	.03	
SOLVENTS			XXXXXXXXXX Boron	1.0	
ADDITIVES			XXXXXXXXXX Iron	.50	
OTHERS			OTHERS Silicon	2.0	
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III - PHYSICAL DATA

XXXXXXXXXX Fusion Temp.	2000F	SPECIFIC GRAVITY (H ₂ O=1)	8.9
VAPOR PRESSURE (mm Hg.)	NA	PERCENT, VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (____ = 1)	NA
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NA	FLAMMABLE LIMITS NA	Lel NA	Uel NA
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 OF 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 requires maintenance of working air concentrations below the recommended TLV.	
EMERGENCY AND FIRST AID PROCEDURES Remove to fresh air, wash eyes and areas of skin contact with copious amounts of 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			
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 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 Required if OSHA limits are exceeded.	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.	