

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

Form Approved
OSHA No. 44-B(138)

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) Hwy 161, York Rd, Kings Mtn, N.C. 28086		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS CS-300
CHEMICAL FAMILY Metal Family	FORMULA See Bottom Page	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS			Not Applicable		
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)	2.8-3.08
VAPOR PRESSURE (mm Hg.)	N/A	PERCENT, VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (_____ =1)	N/A
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR	Fine Grey Powder-Odorless		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA Non-Flammable			
SPECIAL FIRE FIGHTING PROCEDURES			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 1 MG per cubic Meter of air.
EFFECTS OF OVEREXPOSURE Nickel bearing dust may irritate the skin. Acute respiratory reaction of conclusive chronic effects from exposure to nickel have been observed; but proper industrial hygiene requires maintenance of working atmosphere at 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 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 Vacuum cleaning is suggested. If sweeping, 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 regulation.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) NIOSH-approved dust respirator-See Section X		
VENTILATION	LOCAL EXHAUST As required to limit dust exposure below TLV	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES When handling containers and powder	EYE PROTECTION Suitable protection against powder entering eyes.	
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Whenever possible, store metal powders in closed containers. Avoid breathing excessive amounts of dust.
OTHER PRECAUTIONS Respirator protection: In an environment where the Airborne contaminant concentration of nickel is greater than 1.0 mg per cu meter of air use Willson Type 1211 respirator or mine safety appliance co. Model 45938 or other NIOSH approved equivalent respirator. For high concentration of fumes and/or dust it is suggested that a supplied-air respiratory device be used.