

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 <i>Thermacote Welpco</i>	EMERGENCY TELEPHONE NO. <i>(704) 739-6497</i>
ADDRESS (Number, Street, City, State, and ZIP Code) <i>Highway 161, York Rd., P.O. Box 112, Kings Mtn., N.C. 28086</i>	
CHEMICAL NAME <i>Stainless Steel Powder</i>	TRADE NAME AND SYNONYMS <i>CS 400</i>
CHEMICAL FAMILY <i>Metal Family</i>	FORMULA <i>See bottom page</i>

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	Lol	Uol
EXTINGUISHING MEDIA <i>Non-Flammable</i>			
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 metal 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 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: 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	SPECIAL below TLV OTHER
	As required to limit dust exposure MECHANICAL (General)	
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:

PAGE (2) SECTION X- RESPIRATORY PROTECTION

In an environment where the "Airborne Contaminant Concentration" of Nickel is greater than 1.0 mg per cu meter of air use Willson Ty 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.