

# 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, Kings Mtn, N.C. 28086		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS PA 1100, PA1600
CHEMICAL FAMILY	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL NICKEL	95	
CATALYST			ALLOYS C. -.03%, SI. -2.5, FE. 1.5%		
VEHICLE			METALLIC COATINGS Boron-1.5%		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS	*per ACGIH-TLV HANDBOOK				
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F)	Fusion Temp.	2000 F	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	3.9
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 Silvery Gray Powder-No Odor				

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) NA	FLAMMABLE LIMITS	Lel	Uel
	NA	NA	NA
EXTINGUISHING MEDIA Graphite, Dolomite or Sodium Chloride			
SPECIAL FIRE FIGHTING PROCEDURES Do Not Use Water			
UNUSUAL FIRE AND EXPLOSION HAZARDS NOT CONSIDERED EXPLOSIVE			

### 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.

EMERGENCY AND FIRST AID PROCEDURES

### 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

Can be swept or shoveled up and replaced in original container.

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

Required if OSHA limits are exceeded

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.