

MATERIAL SAFETY DATA SHEET S140

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME CERAMIC COLOR AND CHEMICAL MFG. CO.		EMERGENCY TELEPHONE NO. 412-846-4000
ADDRESS (Number, Street, City, State, and ZIP Code) 13TH STREET & 11TH AVENUE, NEW BRIGHTON, PA., 15066		
CHEMICAL NAME AND SYNONYMS NICKEL CARBONATE		TRADE NAME AND SYNONYMS NICKEL CARBONATE
CHEMICAL FAMILY CARBON	CAS #12607-70-4	FORMULA Ni CO ₃

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL	46	1mg/MB
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS	Ni 0.8	1mg/13
OTHERS					
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)	
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	GREEN ODORLESS POWDER		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 1 Mg. per cu Meter of air (as Ni) in fumes or respirable particles.

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 Higiene requires maintenance of working atmosphere at 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 Powdered material can react with CO under reducing conditions to form Ni (CO) ₄ .
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS

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 up, shoveled up, etc. and replaced in original container. Care should be taken to maintain working atmosphere below TLV.

WASTE DISPOSAL METHOD If products is no longer useful dispose according to appropriate local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General)	

PROTECTIVE GLOVES | EYE PROTECTION

OTHER PROTECTIVE EQUIPMENT

SBE ATTACHMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE Should be handled and stored in closed containers.

OTHER PRECAUTIONS Avoid skin contact.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the provision of adequate ventilation where necessary. Where dust or fume cannot be controlled in this way, personal respiratory protection should be employed and, according to the severity of the situation, consideration should be given to the use of barrier creams and protective clothing.

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 type 1211 respirator OR Mine Safety Appliance Co. Model 459438 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.

VENTILATION: The area surrounding any melting furnace should be suitably ventilated to prevent gases, fumes and particulate matter evolved from the melt from collecting to injurious levels

PROTECTIVE GLOVES: -Gloves should be used when handling cans of Nickel Carbonate.

EYE PROTECTION: Essential around any melting furnace. Eyes should be suitably protected from any possible incursion by Nickel Oxide when handling, dumping, etc.
