




MATERIAL DATA SAFETY SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Nickel carbonate
PRODUCT NUMBER: 1252
CHEMICAL NAME: Nickel carbonate/hydroxide mixture
DATE PREPARED: 06/30/1999

MANUFACTURER: 
The Shepherd Chemical Company
4900 Beech Street
Cincinnati, Ohio 45212
(513)-731-1110 (voice), (513)-731-1532 (fax)

EMERGENCY TELEPHONE NO. 1-800-424-9300 CHEMTREC

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL INGREDIENT</u>	<u>C.A.S. NUMBER</u>	<u>% BY WEIGHT</u>	<u>% METAL</u>
Nickel carbonate/hydroxide mixture	*	100	47 Ni
*3333-67-3, 12607-70-4			

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE: Green powder **ODOR:** No odor

WARNING! CAUSES EYE IRRITATION. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING DUST. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION.

POTENTIAL HEALTH EFFECTS, TARGET ORGAN EFFECTS (ACUTE AND CHRONIC)

This product causes eye irritation and may cause skin and upper respiratory tract irritation. Nickel compounds may cause eye irritation, upper respiratory tract irritation, respiratory and skin sensitization. Giddiness and nausea may result from ingestion. IARC considers nickel compounds to be carcinogenic to humans (Monograph 49). NTP reports that this compound is carcinogenic to experimental animals.

CARCINOGENICITY: IARC states that nickel compounds are carcinogenic to humans.

SECTION 4 - FIRST AID MEASURES

If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down throat. Call a physician. Never give anything by mouth to an unconscious person. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician. Wash skin with soap and water.

SECTION 5 - FIRE FIGHTING MEASURES

FLASHPOINT/METHOD: N/A

FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Water

SPECIAL FIREFIGHTING PROCEDURES: Use Self-Contained Breathing-Apparatus.

FIRE AND EXPLOSION HAZARD:

N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Ventilate area of spill. Avoid generating dust. Collect material into appropriate containers for reuse or disposal. Material may also be flushed with water to a wastewater treatment system.

SECTION 7- HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Store in closed containers. Avoid generating dust.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirators if OSHA PEL is exceeded.

SKIN PROTECTION: Use impervious glove and body-covering clothing.

EYE PROTECTION: Use side-shielded safety glasses or goggles.

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation.

EXPOSURE GUIDELINES:

<u>CHEMICAL INGREDIENT</u>	<u>OSHA PEL (mg/M3)</u>	<u>ACGIH TLV (mg/M3)</u>
Nickel carbonate/hydroxide mixture	1.0 Ni	0.2 Ni

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Green powder

ODOR: No odor

BOILING POINT: N/A

VAPOR PRESSURE (mm HG): N/A

VAPOR DENSITY (Air = 1): N/A

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY (water=1): 2.6

FREEZING POINT: N/A

pH: N/A

EVAPORATION RATE: N/A

SECTION 10 - STABILITY AND REACTIVITY

STABILITY: This product is stable. Hazardous polymerization will not occur.

INCOMPATIBILITY: N/A

HAZARDOUS DECOMPOSITION BY PRODUCTS:

N/A

SECTION 11- TOXICOLOGICAL INFORMATION

oral rat LD50: 1300 mg/kg

SECTION 12- ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATION

Dispose in closed containers, at an approved landfill, in accordance with local, state and federal regulations. Material may also be flushed with water to a wastewater treatment system.

SECTION 14 - TRANSPORT INFORMATION

This product is not regulated for transportation.

SECTION 15 - REGULATORY INFORMATION

OSHA HAZARD COMMUNICATION STANDARD:

Hazardous due to target organ effects (See Section 3)

CERCLA/SUPERFUND:

N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Section 311/312 Hazard Categories: Acute and Chronic Health Hazard

Section 313- This product contains the following substances subject to 313 reporting:

Nickel comp. 100%

TOXIC SUBSTANCES CONTROL ACT (TSCA):

All components of this product are on the TSCA Inventory.

INTERNATIONAL REGULATIONS:

Available upon request

SECTION 16 - OTHER INFORMATION

REFERENCES:

Occupational Health Guidelines for Chemical Hazards, JAN. 1981, NIOSH/OSHA
Occupational Diseases - A Guide to their Recognition, June 1977, NIOSH
International Agency for Research on Cancer, IARC Monograph 49, 1990

HMIS RATING:

Health - 2*

Flammability - 0

Reactivity - 0

Personal Protection - E

DISCLAIMER:

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