



SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): Nickel Carbonate Powder or Paste
SYNONYMS: Nickel Hydrocarbonate, Nickel (II) Carbonate; Carbonic Acid, Nickel Hydroxycarbonate, Nickel Salt
CAS#: 12607-70-4
PRODUCT USE: Various uses
CHEMICAL SHIPPING NAME/CLASS: Nickel Carbonate Powder / Paste **Non-Regulated**
U.N. NUMBER: None
MANUFACTURER'S NAME: Various Manufacturers
DISTRIBUTOR'S NAME: **Hunter Chemical LLC**
ADDRESS: 220 Commerce Drive, Suite 200, Fort Washington, PA 19034
EMERGENCY PHONE: (800) 424-9300 (CHEMTREC)
BUSINESS PHONE: (215) 461-1900
DATE OF PREPARATION: February 15, 2011
DATE OF REVISION: April 28, 2023
DATE OF REVIEW: April 28, 2023

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a light green powder or paste with no odor.
Health Hazards: Harmful if swallowed or inhaled. Causes irritation to skin, eyes and respiratory tract. May cause allergic skin or respiratory reaction. Potential cancer hazard
Flammability Hazards: Contact with strong oxidizers may cause fire.
Reactivity Hazards: This product is not reactive.
Environmental Hazards: Release of the product may cause adverse effects to the aquatic environment.
Emergency Recommendations: Emergency responders must have personal protective equipment and fire protection appropriate for the situation to which they are responding.

EU LABELING AND CLASSIFICATION: This product meets the definition of a hazardous substance or preparation according to EU Regulations (EC) No 1272/2008.

EC 235-715-9 Annex VI Index#: 028-010-00-0

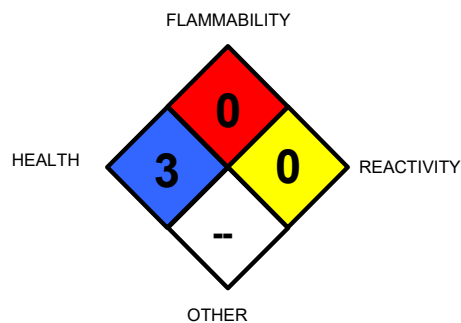
COMPONENT(S) DETERMINING HAZARD:

Nickel Carbonate Powder, Nickel Carbonate Paste

GHS CLASSIFICATIONS:

Acute Oral Toxicity Category 4
 Acute Inhalation Toxicity Category 4
 Skin Irritation Category 2
 Resp. Sensitizer Category 1
 Skin Sensitization Category 1
 Germ Cell Mutagenicity Cat 2
 Carcinogenicity Category 1
 Reproductive Toxicity Category 1
 Specific Target Organ Toxicity – Repeated Exposure Category 1
 Aquatic Acute Category 1
 Aquatic Chronic Category 1

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)		3	
FLAMMABILITY HAZARD (RED)		0	
REACTIVITY (YELLOW)		0	
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	SEE SECTION 8		SEE SECTION 8
For Routine Industrial Use and Handling Applications			



Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

SIGNAL WORD: DANGER





SAFETY DATA SHEET

HAZARD STATEMENT:

H302	Harmful if swallowed
H332	Harmful if inhaled
H315	Causes skin irritation
H334	May cause allergy or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

PREVENTION STATEMENT:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapor/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.

RESPONSE STATEMENT:

P310	Immediately call a POISON CENTER/doctor if you feel unwell.
P363	Wash contaminated clothing before reuse
P301+P312:	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P330:	Rinse mouth.
P302+P352:	IF ON SKIN: Wash with plenty of water.
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P321	Specific Treatment (See Section 4 of this SDS).
P308 + P313	IF exposed or concerned: Get medical advice/attention
P333 + P313	IF skin irritation or rash occurs: Get medical advice/attention
P391	Collect spillage.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.
P362+P364	Take off immediately all contaminated clothing and wash it before reuse.
P314	Get medical advice/attention if you feel unwell.

STORAGE STATEMENT:

P405	Store locked up.
------	------------------

DISPOSAL STATEMENT:

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
------	---

HEALTH EFFECTS OR RISKS FROM EXPOSURE:

ACUTE: Inhalation: Can cause headaches, dizziness, and difficult breathing. Finer dust particulates may irritate the respiratory tract. Symptoms may include coughing, sore throat, and shortness of breath. Inhalation of nickel and nickel compounds is associated with nasal and lung damage and cancer.

Ingestion: May cause irritation to the gastro-intestinal tract. Large oral dose may cause nausea, vomiting, abdominal pain and diarrhea. Skin Contact: Causes irritation, redness, pain. May cause allergic dermatitis. Nickel is a contact allergen and sensitizer. Eye Contact: Causes irritation, redness, and pain.

CHRONIC: Prolonged exposure to excessive concentrations of dust may cause chronic pulmonary disorders. Nickel and certain nickel compounds are considered carcinogenic and noted for producing nasal and lung cancer.



SAFETY DATA SHEET

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification
Nickel Carbonate Powder	>99%	12607-70-4	235-715-9	Acute Tox Cat 4 (Oral, Inhalation), Skin Irrit Cat 2, Resp Sens Cat 1, Skin Sens Cat 1, Muta Cat 2, Carc Cat 1, Repr Cat 1, STOT RE Cat 1, Aquatic Acute / Chronic Cat 1
Nickel Carbonate Paste	>66%	12607-70-4	235-715-9	Acute Tox Cat 4 (Oral, Inhalation), Skin Irrit Cat 2, Resp Sens Cat 1, Skin Sens Cat 1, Muta Cat 2, Carc Cat 1, Repr Cat 1, STOT RE Cat 1, Aquatic Acute / Chronic Cat 1

Balance of other ingredients is less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

4. FIRST-AID MEASURES

SKIN EXPOSURE: If this product contaminates the skin, begin decontamination with running water. Minimum flushing is for 5 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

EYE EXPOSURE: If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Remove contact lenses if worn. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual must seek immediate medical attention.

INHALATION: If dusts generated by this product are inhaled, remove contaminated individual to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention if breathing distress continues.

INGESTION: Routine use of this product is not expected to cause any situation which could lead to ingestion. If this product is swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.

If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with pre-existing skin disorders or eye problems, or respiratory function may be more susceptible to the effects of the substance. Persons with allergies or sensitivity to nickel may also be more susceptible to the effects of the substance.

RECOMMENDATIONS TO PHYSICIANS: Treat symptoms and eliminate overexposure.

5. FIRE-FIGHTING MEASURES

FLASH POINT: Non-Flammable

AUTOIGNITION TEMPERATURE: Not Applicable

FLAMMABLE LIMITS (in air by volume, %): Lower NA Upper NA

FIRE EXTINGUISHING MATERIALS: Use fire extinguishing methods below:

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

Other: Any "C" Class

UNUSUAL FIRE AND EXPLOSION HAZARDS: Not considered a fire or explosion hazard.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Proper protective equipment should be used. Stop the flow of material, if this can be done safely. Contain discharged material. For spills of solid material, sweep-up or vacuum spilled solid, minimizing the generation of dust. Place in a proper container for reclamation or disposal. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).



SAFETY DATA SHEET

7. HANDLING and STORAGE

WORK PRACTICES AND HYGIENE PRACTICES: As with all chemicals, avoid getting this product ON YOU or IN YOU. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing dusts generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

STORAGE AND HANDLING PRACTICES: Containers of this product must be properly labeled. Empty containers should be handled with care. Store containers in a cool, dry location. Keep container tightly closed when not in use.

8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Nickel compounds	NA	0.1 mg/m ³	1 mg/m ³

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use a chemical fume hood or local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

EYE PROTECTION: Safety glasses or goggles are recommended. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

HAND PROTECTION: Use chemically-resistant gloves when handling this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

BODY PROTECTION: Use body protection appropriate for task (e.g. lab coat, overalls). If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE and COLOR: Light green powder or paste

ODOR: No odor

ODOR THRESHOLD: Odorless

pH: No Data

MELTING/FREEZING POINT: Decomposes before reaching melting point.

BOILING POINT: No Data

FLASH POINT: Not Applicable

EVAPORATION RATE (n-BuAc=1): No Data

FLAMMABILITY (SOLID, GAS): Not Available

UPPER/LOWER FLAMMABILITY OR EXPLOSION LIMITS: Not Available

VAPOR PRESSURE, mm Hg @ 20°C (68°F): No Data

VAPOR DENSITY: No Data

RELATIVE DENSITY: No Data

SPECIFIC GRAVITY: 1.3-1.4(water =1)

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT (n-octanol/water): Not Available

AUTO-IGNITION TEMPERATURE: Not Applicable

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Not Applicable



SAFETY DATA SHEET

10. STABILITY and REACTIVITY

STABILITY: Stable under conditions of normal storage and use.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide may form when heated to decomposition. Toxic gases and vapors such as nickel carbonyl may be released.

MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: For Nickel: Aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds. Slowly attacked by dilute hydrochloric or sulfuric acid; readily attacked by nitric acid. Not attacked by fused alkali hydroxides.

POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur.

CONDITIONS TO AVOID: Incompatible materials, dust generation.

11. TOXICOLOGICAL INFORMATION

TOXICITY DATA:

No Data

SUSPECTED CANCER AGENT: Ingredients within this product are found on the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore are considered to be, or suspected to be, cancer-causing agents by these agencies.

CARCINOGENIC EFFECTS:

IARC: Group 1

ACGIH: Group A3

NTP: Anticipated

OSHA Regulated: No

IRRITANCY OF PRODUCT: This product can be irritating to the skin, eyes, and respiratory system with prolonged contact.

SENSITIZATION TO THE PRODUCT: This product is a skin and respiratory sensitizer

REPRODUCTIVE TOXICITY INFORMATION: This product and its components may effect the human reproductive system.

MUTAGENICITY INFORMATION: Considered a Germ Cell Mutagenicity hazard.

SINGLE TARGET ORGAN TOXICITY – SINGLE EXPOSURE: Data not sufficient for a classification.

SINGLE TARGET ORGAN TOXICITY – REPEATED EXPOSURE: Prolonged or repeated exposure may cause organ damage.

ASPIRATION HAZARD: Data not sufficient for a classification.

12. ECOLOGICAL INFORMATION

TOXICITY:

No specific data available on this product.

PERSISTENCE AND DEGRADABILITY:

No specific data available on this product.

BIOACCUMULATIVE POTENTIAL:

No specific data available on this product.

MOBILITY IN SOIL:

No specific data available on this product.

RESULTS OF PBT AND vPvB ASSESSMENT:

Not classified as PBT or vPvB.

ENDOCRINE DISRUPTING PROPERTIES:

No specific data available on this product.

OTHER ADVERSE EFFECTS:

No specific data available on this product.

WATER ENDANGERMENT CLASS:

No data available. At present there are no ecotoxicological assessments for this product.

13. DISPOSAL CONSIDERATIONS

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.



SAFETY DATA SHEET

14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS: This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

FOR QUANTITIES LESS THAN 100 LBS THIS MATERIAL IS TO BE SHIPPED AS NON-REGULATED MATERIAL

PROPER SHIPPING NAME: Nickel Carbonate Paste / Powder

HAZARD CLASS NUMBER and DESCRIPTION: N/A

UN IDENTIFICATION NUMBER: N/A

PACKING GROUP: N/A

DOT LABEL(S) REQUIRED: N/A

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: N/A

RQ QUANTITY: 100 Lbs.

MARINE POLLUTANT: The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.

15. REGULATORY INFORMATION

UNITED STATES REGULATIONS:

U.S. SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

SARA 313 Reporting: Nickel Compounds

U.S. SARA THRESHOLD PLANNING QUANTITY: There are no specific Threshold Planning Quantities for the components of this product. The default Federal SDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): Nickel Compounds 100 Lbs.

U.S. TSCA INVENTORY STATUS: The components of this product are listed on the TSCA Inventory or are exempted from listing.

OTHER U.S. FEDERAL REGULATIONS: None

CANADIAN REGULATIONS:

CANADIAN DSL/NDSL INVENTORY STATUS: The components of this product are on the DSL Inventory, or are exempted from listing.

OTHER CANADIAN REGULATIONS: Not applicable.

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:

CANADIAN WHMIS CLASSIFICATION and SYMBOLS: Classified per WHMIS 2015.

EUROPEAN ECONOMIC COMMUNITY INFORMATION:

EU LABELING AND CLASSIFICATION: This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

EU CLASSIFICATION: See Section 2 for details.

AUSTRALIAN INFORMATION FOR PRODUCT: The components of this product are listed on the International Chemical Inventory list.

JAPANESE INFORMATION FOR PRODUCT:

JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

JAPANESE ENCS INVENTORY: The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW: No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.



SAFETY DATA SHEET

INTERNATIONAL CHEMICAL INVENTORIES:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed

Australian Inventory of Chemical Substances (AICS): Listed

Korean Existing Chemicals List (ECL): Listed

Japanese Existing National Inventory of Chemical Substances (ENCS): Listed

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed

Swiss Giftliste List of Toxic Substances: Listed

U.S. TSCA: Listed

16. OTHER INFORMATION

PREPARED BY: Chris Eigbrett – **(MSDS to GHS Compliance)**

DATE OF PRINTING: April 28, 2023

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. Hunter Chemical LLC assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, Hunter Chemical LLC assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

Revision History:

April 28, 2023

- SDS Review

END OF SDS SHEET