Section 1 – Company and Substance Identification

Product Name: Nickel Plate

Formula: Proprietary

Product Information: 800-551-1117

Gold Effects, LLC
13130 56th Court Suite 609
Clearwater, FL 33760
United States of America

24-Hour Emergency Response - VelocityEHS

VelocityEHS (Domestic)	800-255-3924
VelocityEHS (International)	813-248-0585
Contract Number:	MIS2264170

Section 2 – Hazard Identification

Classification:

Respiratory sensitisation	Category 1
Skin sensitisation	Category 1
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B
Specific target organ toxicity - repeated exposure (inhalation)	Category 1
Acute aquatic hazard	Category 2
Chronic aquatic hazard	Category 2

Label elements including precautionary statements:

Signal Word **DANGER**

HAZARD STATEMENTS
May cause an allergic skin reaction
May cause allergy or asthma symptoms or breathing difficulties if inhaled
Suspected of causing genetic defects
May cause cancer
May damage fertility or the unborn child
Causes damage to organs (Respiratory Tract) through prolonged or repeated exposure if inhaled
Toxic to aquatic life with long lasting effects

PREVENTION
Do not breathe mist or vapor. Wash hands thoroughly after handling. Wear protective gloves, clothing and eye and face protection. If on skin: Wash with plenty of soap and water. If skin

irritation occurs: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

STORAGE
Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

DISPOSAL
Dispose of contents/containers in accordance with local regulations.

Section 3 – Composition / Information on Ingredients

Chemical Name	CAS No	weight-%
Nickel carbonate	3333-67-3	2.5

Note: Remaining volume of mixture consists of de-ionized water (H2O) equaling 100% by weight.

Section 4 – First Aid Measures

EYE CONTACT:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

SKIN CONTACT:
If skin irritation or rash occurs: Get medical advice/attention. Remove immediately all contaminated clothing. Rinse skin with water. Do NOT use solvents or thinners.

INHALATION:
Remove person to fresh air and keep comfortable for breathing. Give oxygen if patient experiences difficulty with breathing. Call a poison control center or doctor/physician.

INGESTION:
Call a poison control center or doctor/physician immediately. Induce vomiting if person is conscious. Wash out mouth with water. Have patient drink 1-3 glasses of water to dilute stomach contents.

After first aid, seek proper medical attention.

Section 5 – Firefighting Measures

Suitable Extinguishing Media: Carbon dioxide (CO2), Foam, Powder

Hazards:
Fire may produce irritating and/or toxic gases. In the event of fire and/or explosion do not breathe fumes.

Firefighting Instructions:
DO NOT use water jet as an extinguisher, as this will spread the fire. Shut off the fuel to the fire. Either allow the fire to burn under controlled conditions, or extinguish with foam or dry chemical. Cover liquid spills with foam.

Further Information:
Fire may produce toxic thermal decomposition products. Wear a self-contained breathing device with a full face piece using pressure demand or positive-pressure mode.

Section 6 – Accidental Release Measures

Personal Precautions:
Avoid breathing vapors or mists. Use personal protective equipment. Avoid contact with skin, eyes or clothing. Keep people away from spill/leak.

Environmental Precautions:
Do not allow into any sewer, on the ground or into any body of water. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.

Methods for Containment:
Prevent further leakage or spillage if safe to do so.

Methods for Cleanup:
Dispose of waste product or used containers according to local regulations. Clean with detergents. Avoid solvent cleaners. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Take up mechanically, placing in appropriate containers for disposal.

Section 7 – Handling and Storage

HANDLING PRECAUTIONS

General Handling:
Avoid contact with eyes. Avoid prolonged repeated skin contact. Avoid breathing mists or vapors. Use in a well-ventilated area. Do not empty waste into sanitary drains.

STORAGE CONDITIONS

Safe Storage:
Store in accordance with local regulations. Keep container tightly closed in a dry and well-ventilated place. Keep tightly closed in a dry and cool place. Store only in the original container.

Incompatible Materials:
Oxidizing agents, Bases.

Section 8 – Exposure Controls / Personal Protection

EXPOSURE LIMITS

Chemical Name	ACGIH TLV	OSHA Z-1
Nickel carbonate 3333-67-3	TWA: 0.2 mg/m3 8 hours.	TWA: 1 mg/m3 8 hours.

ENGINEERING CONTROLS

Ensure adequate ventilation, especially in confined areas. Provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment.

PROTECTION MEASURES

Eye/Face Protection:
Chemical splash goggles or safety glasses with side shields must be worn.

Skin and Body Protection:
Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear suitable protective clothing.

Hand Protection:
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Respiratory Protection:
In case of inadequate ventilation wear respiratory protection.

Section 9 – Physical and Chemical Properties

Physical State	Liquid
Color	Clear, blue
Odor	None
pH	4 - 5
Boiling Point / Range	100 °C / 212 °F
Flash Point	Not applicable
Evaporation Rate	Slower than ether
Flammability Limit:	
Upper Flammability Limit	Not applicable
Lower Flammability Limit	Not applicable
Relative Density (H2O=1) @20 °C	1.15
Solubility(ies)	Completely soluble in water
Viscosity	No information available
Vapor Pressure	No information available
Vapor Density	Heavier than air
Percent Volatile	No information available
Specific Gravity	No information available

Section 10 – Stability and Reactivity

Reactivity:
Stable under normal conditions.

Chemical Stability:
Stable under normal conditions.

Possibility of Hazardous Reactions:
None under normal processing.

Hazardous Polymerization:
None under normal processing.

Conditions to Avoid:
Contact with incompatible materials, exposure to sunlight.

Incompatible Materials:
Oxidizing agents, Bases.

Hazardous Decomposition Products:
Carbon oxides, nickel oxides, nickel carbonyl.

Section 11 – Toxicological Information

EXPOSURE INFORMATION

Eye Contact May cause eye irritation.
Skin Contact May cause allergic skin reaction.
Ingestion No information available
Inhalation Causes respiratory tract damage through prolonged/repeated exposure.

EFFECTS OF SHORT AND LONG-TERM EXPOSURE

Eyes Stinging, tearing, redness, swelling, blurred vision.
Skin May cause allergic skin reaction.
Respiratory Sensitization May cause allergic respiratory reaction.
Reproductive Toxicity Reproductive toxicity has been shown in laboratory animals.
Carcinogenicity
IARC: Yes Group 1
ACGIH: Yes A1

Mutagenicity Mutagenicity has been shown both in vitro and in vivo.
Specific Target Organ Toxicity:
Single Exposure Not applicable
Repeated Exposure "Nickel itch" associated with nickel compounds

ACUTE ORAL TOXICITY

Chemical Name	**LD50**
Nickel carbonate 3333-67-3	5,400 mg/kg (mouse)

ACUTE DERMAL TOXICITY

Chemical Name	**LD50**
Nickel carbonate 3333-67-3	>2,000 mg/kg (rabbit)

ACUTE INHALATION TOXICITY

Chemical Name	**LC50**
Nickel carbonate 3333-67-3	>1 mg/l (rat) dust/mist, 4 hours.

Section 12 – Ecological Information

Eco-toxicity:
Highly toxic to aquatic life. Prevent product from entering drains.

Persistence and Degradability:
No information available

Bioaccumulation:
No information available

Mobility:
No information available

Other Adverse Effects:
No information available

Section 13 – Disposal Considerations

WASTE TREATMENT METHODS

Disposal of Wastes:
Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated Packaging:
Improper disposal or reuse of this container may be dangerous and illegal. Empty containers must be scrapped or reconditioned.

Section 14 – Transport Information

DOT	**IMDG**	**IATA**
Not regulated	Not regulated	Not regulated

Section 15 – Regulatory Information

INTERNATIONAL INVENTORIES

All components are listed on TSCA, EINECS/ELINCS, AICS, and DSL

SARA 311/312 HAZARD CATEGORIES

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CALIFORNIA PROP. 65

WARNING: This product can expose you to chemicals including Nickel carbonate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Section 16 – Other Information

HMIS

Health Hazards	2
Flammability	0
Instability	0
Personal Protection	C

SUPPLIER ADDRESS

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United States of America
800.230.6358

Prepared By	Gold Effects, LLC
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DISCLAIMER

The information on this Safety Data Sheet (SDS) is based on the present state of our knowledge, current national legislation, and guidelines. As the specific conditions of use of the product are outside the supplier's knowledge and control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This SDS should not be construed as any guarantee of the technical performance or suitability for particular applications. Products are intended for professional use only by applicators with proper knowledge and training.

End of Safety Data Sheet