



Wood's Nickel Strike Additive N

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Wood's Nickel Strike Additive N

Other Means of Identification: Additive N

Intended Use of the Product: Electroplating bath component

Restrictions on Use: For professional use only

Name, Address, and Telephone of the Responsible Party

Distributor: Gold Plating Services
378 North Main #112 Layton, UT 84041
T: (801) 546 6200
www.GoldPlating.com

Emergency Telephone Number

PERS (801) 629-0667 or (800) 633-8253

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

Acute Toxicity - Oral, Category 3
Sensitization - Skin, Category 1A
Carcinogenicity, Category 1A
Toxic to Reproduction, Category 2
Specific Target Organ Toxicity (Repeated Exposure), Category 1
Acute Aquatic Toxicity, Category 1
Chronic Aquatic Toxicity, Category 1

Label Elements

Hazard Pictograms:



Signal Word:

Danger

Hazard Statements:

- Toxic if swallowed.
- May cause an allergic skin reaction.
- May cause cancer.
- Suspected of damaging fertility or the unborn child.
- Causes damage to organs through prolonged or repeated exposure.
- Very toxic to aquatic life with long lasting effects.

Precautionary Statements:

- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Avoid breathing dust, fumes, gas, mist, vapors, or spray.
- Contaminated work clothing must not be allowed out of the workplace.
- Wear protective gloves, clothing, and eye and face protection.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Avoid release to the environment.
- Call a poison center or doctor/physician if you feel unwell.
- Collect spillage.
- If swallowed: call a poison center or doctor/physician if you feel unwell. Rinse mouth, do not swallow.
- If on skin: wash with plenty of soap and water.
- If skin irritation or rash occurs: get medical advice/attention.
- Wash contaminated clothing before reuse.
- If exposed or concerned: get medical advice/attention.
- Get medical advice/attention if you feel unwell.
- Dispose of contents and container in accordance with local, state, and federal regulations.

Other Hazards

No data available

Unknown Acute Toxicity

No applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical name	CAS Number	EINECS Number	Concentration
Nickel chloride hexahydrate	7791-20-0*	231-743-0	43 %

*Under the Toxic Substance Control Act (TSCA), hydrates are considered as mixtures of their anhydrous form and water. Accordingly, for the purposes of TSCA the CAS Number 7718-54-9 for the anhydrous form of this material is used.

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

- After Inhalation:** Remove patient to fresh air. Support breathing if required. Obtain medical treatment for dizziness, unconsciousness, or irritation or difficulty in breathing.
- After Skin Contact:** Remove contaminated clothing and wash affected area thoroughly with soap and water. Launder clothing before rewearing. Seek medical attention for prolonged skin irritation.
- After Eye Contact:** Flush with water, including under lids, for fifteen minutes. Obtain immediate medical attention.
- After Ingestion:** If patient is conscious, rinse mouth and drink at least two large glasses of water. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

Most Important Symptoms and Effects, Both Acute and Delayed

- After Inhalation:** Vapor or mist may be slightly irritating to nasal and respiratory passages.
- After Skin Contact:** Causes dermatitis (nickel itch) in sensitive individuals.
- After Eye Contact:** Causes irritation and burns to eyes.
- After Ingestion:** Causes irritation of gastrointestinal tract; may cause gastric upset with nausea, vomiting, and diarrhea.
- Chronic Symptoms:** Can cause cancer

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use media appropriate for surrounding fire such as foam, extinguishing powder, carbon dioxide, or water fog. In case of fire, cool endangered containers with water fog.

Unsuitable Extinguishing Media

High pressure water jet.

Specific Hazards Arising From the Substance or Mixture

None reported

Advice for Firefighters

Precautionary Measures:

Do not inhale combustion gasses.

Protection During Firefighting:

For fires in enclosed areas, wear self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Wear appropriate skin, eye, and respiratory protection. Do not eat, drink, or smoke while cleaning up. Ensure adequate ventilation.

Environmental Precautions

Prevent spills and rinsings from entering storm or sanitary sewers or other waterways and contact with soil.

Methods and Material for Containment and Cleaning Up

Wear appropriate personal protective gear including eye, skin, and respiratory protection. Contain spilled material and collect by absorption or other suitable method. Flush spill area with water. Do not allow this material or its rinsings to enter storm or sanitary sewers or other waterways.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

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

Conditions for Safe Storage, Including Any Incompatibilities

Store in a cool, dry area. Use with adequate ventilation. Keep container tightly closed when not in use.
Store only in the original container.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Ingredient	ACGIH TLV	OSHA PEL	Other Limits
Nickel chloride	0.1 mg/m ³ (Ni)(TWA)	1 mg/m ³ (Ni)	None found

Appropriate Engineering Controls

Use in well-ventilated areas with local exhaust.

Personal Protective Equipment

Eye Protection:

Chemical splash goggles or safety glasses with side shields must be worn.

Skin and Body Protection:

Wear rubber or neoprene gloves. Wear rubber apron and long sleeves to prevent skin contact. Wash hands thoroughly with soap and water after handling and before eating or smoking.

Respiratory Protection:

Wear appropriate, approved respirator when ventilation is inadequate to meet exposure limits.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear, green
Odor:	None
Odor Threshold:	Not available
Melting Point:	Not determined
Freezing Point:	Not determined
Boiling Point:	> 100 °C (> 212 °F)
Flammability (solid, gas):	Not applicable

Upper/Lower Explosion Limits:	Non-explosive
Flash Point:	Not applicable
Auto-Ignition Temperature:	Not applicable
Decomposition Temperature:	Not available
pH:	2.0-3.0
Kinematic Viscosity:	Similar to water
Solubility:	Completely soluble in water at 20 °C
Partition Coefficient N-Octanol/Water:	Not determined
Vapor Pressure:	Not determined
Evaporation Rate:	Not determined
Relative Density @25 °C:	1.34+/-0.05
Relative Vapor Density:	Not determined
Particle Characteristics:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Non-reactive
Chemical Stability:	No decomposition if used according to specifications.
Possibility of Hazardous Reactions:	None are known
Conditions to Avoid:	None reported
Incompatible Materials:	Strong acids and oxidizing agents
Hazardous Decomposition Products:	Oxides of nickel and chlorine

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure and Symptoms

Inhalation:	Vapor or mist may be slightly irritating to nasal and respiratory passages.
Skin Contact:	Causes dermatitis (nickel itch) in sensitive individuals.
Eye Contact:	Causes irritation and burns to eyes.
Ingestion:	Causes irritation of gastrointestinal tract; may cause gastric upset with nausea, vomiting and diarrhea.

Delayed and Immediate Effects & Chronic Effects from Short and Long Term Exposure

Reproductive Effects:	No applicable information available.
Target Organ Effects:	No applicable information available.
Chronic Effects:	Can cause cancer.

See Routes of Exposure and Symptoms above.

Acute Toxicity Estimates

Acute Oral Toxicity:	LD50: 366 as supplied
Acute Dermal Toxicity:	No applicable information available.
Acute Inhalation Toxicity:	No applicable information available.
Acute Eye Irritation:	No applicable information available.
Dermal Irritation:	No applicable information available.

Carcinogen Listings

IARC:	Yes (Group 1) Nickel chloride
NTP:	Yes
OSHA:	No

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Mortality NOEC:	4.9 mg/l – 96 hours (rainbow trout, nickel chloride anhydrous)
EC50:	0.51 mg/l – 48 hour (Daphnia magna, nickel chloride hexahydrate)

Persistence and Degradability

There is no data reported for this material; however, this product may be harmful to aquatic life.

Bioaccumulative Potential

Bioaccumulation factor (BCF) 4 – 180 days (rainbow trout, nickel chloride anhydrous)

Mobility in Soil

Accidental spillage may lead to penetration in the soil and groundwater. Improper handling and disposal of this material may cause environmental damage.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of this material is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT, IMDG, and IATA/ICAO:

Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

Inventory Status

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

US State Regulations

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

SARA (311/312) HAZARD CATEGORIES:

None	Immediate	Delayed	Fire	Reactive	Pressure Generating
	X	X			

SARA 313: This product contains the following SARA 313 Toxic Release Chemicals.

Chemical Name	CAS Number	Concentration Nickel
Chloride hexahydrate	7791-20-0	43 %

The following product components are cited on the lists below:

Chemical Name	CAS Number	List Citations
Nickel chloride hexahydrate	7791-20-0	California Proposition 65 List

SECTION 16: OTHER INFORMATION

Current SDS preparation date: October 15, 2024

Last SDS Preparation Date: January 15, 2022

Original SDS preparation date: February 15, 2017

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Disclaimer: *To the best of our knowledge, the information contained herein is accurate. However, neither the above-named manufacturer/supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*