

SAFETY DATA SHEET

NICKEL CHLORIDE, Hexahydrate

SECTION 1: CHEMICAL AND COMPANY IDENTIFICATION

BioShop Canada Inc.
5480 Mainway
Burlington, Ontario L7L 6A4
1-800-234-1179
Emergency Telephone No.: 1-905-466-3832
Chemical Name: Nickel chloride, hexahydrate
Catalog Number: NIC999

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification::

Acute toxicity, Oral (Category 3)
Acute toxicity, Inhalation (Category 3)
Skin irritation (Category 2)
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Germ cell mutagenicity (Category 2)
Carcinogenicity, Inhalation (Category 1A)
Reproductive toxicity (Category 1B)
Specific target organ toxicity - repeated exposure, Inhalation (Category 1),
Lungs
Short-term (acute) aquatic hazard (Category 1)
Long-term (chronic) aquatic hazard (Category 1)

Pictogram:



Signal Word: DANGER

Hazard Statements:

H301 + H331 Toxic if swallowed or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer by inhalation.
H360 May damage fertility or the unborn child.
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

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/ vapors/ spray.
P264 Wash skin 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 Wear respiratory protection.
P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. Rinse mouth.
P302 + P352 IF ON SKIN: Wash with plenty of water.
P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P391 Collect spillage.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Nickel Chloride Hexahydrate	7791-20-0	100%

Molecular Formula: NiCl₂·6H₂O
Molecular Weight: 237.69

SECTION 4 FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes. **Get immediate medical attention.**

Skin: Flush area immediately with plenty of soap and water while removing contaminated clothing and shoes.. **Get immediate medical attention.**

Inhalation: Remove victim to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen . **GET MEDICAL ATTENTION.**

Ingestion: Wash mouth with water. **GET MEDICAL ATTENTION**

SECTION 5 FIRE FIGHTING MEASURES

Flammable: No

Flash Point: N/A

Autoignition Temperature: N/A

Extinguishing Media: Use water spray, foam, dry chemical or carbon dioxide.

Explosion Data: Not available

Violent reactions possible with: Alkali metals

SAFETY DATA SHEET

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container.

SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact. Do not get in eyes, on skin, or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

ACGIH, NIOSH, OSHA, none listed

Use adequate ventilation. Avoid dust generation..

Wear appropriate protective equipment to prevent eye and skin exposure.

Wear appropriate respirator to prevent lung irritation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: green crystalline solid.

Freezing/Melting Point: N/A

Boiling Point: N/A

Specific Gravity: N/A

Vapor Density: N/A

Vapor pressure: N/A

Viscosity: N/A

Solubility: soluble in water

pH: N/A

SECTION 10 STABILITY AND REACTIVITY:

Stability: Stable at normal room temperature and pressure

Conditions to avoid: dust generation, moisture

Incompatibility Violent reactions possible with: Alkali metals.

Hazardous Decomposition Products: Hydrogen chloride gas, nickel oxide gas.

Hazardous Polymerization: Has not been reported

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

Oral, Rat= LD50=105mg/kg

Oral mouse: LD50=202 mg/kg.

Epidemiology: No data available

Teratogenicity: Laboratory experiments in animals have shown teratogenic effects, Cardiovascular abnormalities, still births .

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: No data available

Carcinogenicity: Not listed by ACGIH, , NTP, or OSHA.

IARC: possible carcinogen

SECTION 12 ECOLOGICAL INFORMATION

Toxicity to fish. Daphnia and other aquatic invertibrates.

SECTION 13 DISPOSAL CONSIDERATION

Waste Disposal: Burn in chemical incinerator. Observe all Federal, provincial and local regulations.

SECTION 14 TRANSPORT INFORMATION

TDG UN number: 3288 Class: 6.1 Packing group: III Proper shipping name:

TOXIC SOLID, INORGANIC, N.O.S. (Nickel(II) chloride hexahydrate)

Labels: 6.1 ERG Code: 151 Marine pollutant: no

IMDG UN number: 3288 Class: 6.1 Packing group: III EMS-No: F-A, S-A

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S. (Nickel(II)

chloride hexahydrate) Marine pollutant : yes

IATA UN number: 3288 Class: 6.1 Packing group: III Proper shipping name:

Toxic solid, inorganic, n.o.s. (Nickel(II) chloride hexahydrate

SECTION 15 REGULATORY INFORMATION

US : TSCA: listed

European/International: N/A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Jan 1/2025

Phone: (800) 234-1179

The information provided on this Material Safety Data Sheet is furnished in good faith and without warranty of any kind. The above information is believed to be correct and should be used only as a guide. BioShop Canada Inc. shall not be held liable for any damage resulting from the handling or from the contact with the above product.

Observe all federal, provincial and state laws concerning health, safety and pollution.