

SAFETY DATA SHEET

NICKEL (II) SULFATE , 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 (II) Sulfate , Hexahydrate
Catalog Number: NIC700

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P280 Wear protective gloves.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P501 Dispose of contents/ container to an approved waste disposal plant

Potential Health Effects: Harmful by inhalation, ingestion, or skin absorption.

Target Organs: Lungs

Eyes: May cause irritation. Harmful if absorbed.

Skin: Causes irritation. Harmful if absorbed through the skin

Inhalation: Harmful if inhaled. May cause injury or illness if inhaled.

Ingestion: harmful if swallowed

CHRONIC HEALTH HAZARDS: The toxicological properties of this product have not been fully investigated..

SECTION 2 HAZARDS IDENTIFICATION

GHS Classification:

Acute toxicity, Oral, Category 4
Acute toxicity, Inhalation, Category 4
Skin corrosion/irritation, Category 2
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 toxicity, Category 1

Pictograms:



Signal word: DANGER

Hazard Statements:

H302 + H332 Harmful 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.
H360D May damage the unborn child.
H372 Causes damage to organs 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.

SECTION 3 COMPOSITION/ INGREDIENTS

	CAS #	%
Nickel (II) Sulfate Hexahydrate	10101-97-0	98%

Molecular Formula: NiSO4.6H2O

Molecular Weight: 262.85

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

General Information: Always wear full protective gear in the event of a fire. Toxic gases and vapors may be generated by decomposition or combustion.

Flash Point: N/A

Autoignition Temperature: N/A

Explosion limits N/A

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

SECTION 6 ACCIDENTAL RELEASE MEASURES

Ventilate the area. Wear appropriate protective equipment. Sweep and place in a closed container. In the event of a fire always wear self-contained breathing apparatus, NIOSH/MSHA approved or equivalent.

Leak and Spill Procedures: Ventilate the area. Wear appropriate protective equipment.. Absorb with inert material like vermiculite or earth. Sweep into suitable container.

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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. Minimize dust generation.

Storage Conditions: Room temperature.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits:

Canada, TWA 0.1 mg/m³

Wear appropriate protective equipment to prevent eye and skin exposure. Wear appropriate respirator to prevent lung irritation.

Personal Protection: Lab coat, safety goggles, rubber gloves.

Ventilation: Local exhaust systems. Use fume hood

Respiratory protection: use OSHA/MSHA approved respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: solid

Appearance and Odor: blue 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 under normal temperatures and pressure.

Conditions to avoid: moisture and heat.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition Products: oxides of nickel and sulfur

Hazardous Polymerization: Will not occur

SECTION 11 TOXICOLOGICAL PROPERTIES

Exposure Limits:

LD50 / LC50:

Oral, Rat= LD50=360mg/kg

Inhalation, Rat: LC50=2.50 mg/l/4hrs.

Epidemiology: No data available

Teratogenicity: No data available

Reproductive Effects: No data available

Neurotoxicity: No data available

Mutagenicity: In vitro tests showed mutagenic effects

Carcinogenicity: may cause cancer by inhalation.

IARC: group 1, carcinogenic to Humans

Hazard Rating System (estimated)

SECTION 12 ECOLOGICAL INFORMATION

Very toxic to aquatic life

Very toxic to fish

May cause long-term adverse effects in the aquatic environment. Discharge into the environment must be avoided.

SECTION 13 DISPOSAL CONSIDERATION

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

SECTION 14 TRANSPORT INFORMATION

DOT (US)

UN number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Nickel sulphate hexahydrate)

Reportable Quantity (RQ): 100 lbs

Marine pollutant:

Poison Inhalation Hazard: No

IMDG

UN number: 3077 Class: 9 Packing group: III EMS-No: F-A, S-F

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nickel sulphate hexahydrate)

Marine pollutant: No

IATA

UN number: 3077 Class: 9 Packing group: III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Nickel sulphate hexahydrate)

SECTION 15 REGULATORY INFORMATION

US: TSCA: listed

European/International: N/A

Canada: N/A

SECTION 16 ADDITIONAL INFORMATION

Prepared By: M.Kierdelewicz (President)

Date Prepared: Mar 10/2022

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.