



保定冀诚鑫创有色金属制品有限公司 W&Q METAL PRODUCTS CO., LIMITED

SDS: Nickel Sulfate Hexahydrate

1. Product Identification and company identification

Synonyms: Nickel Sulfate Hexahydrate

CAS No: 10101-97-0

Molecular Weight: 262.86

Chemical Formula: $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$

Company: W&Q Metal Products Co., Limited

Address: Bei Lige Zhuang Industrial Zone, Wangdu County, Hebei, China

Fax: 0086-312-6780388

SDS Date: 2021-01-18

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Nickel Sulfate Hexahydrate	10101-97-0	100%	Yes

3. Hazards Identification

Hazard Statement:

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN OR RESPIRATORY REACTION. CANCER HAZARD. CAN CAUSE CANCER. RISK OF CANCER DEPENDS ON DURATION AND LEVEL OF EXPOSURE.

Hazard Symbol:



- Carcinogen
- Mutagenicity
- Reproductive Toxicity
- Target Organ Toxicity
- Aspiration Toxicity
- Aquatic Toxicity

Main Symptom:

Ingestion: Toxic. Symptoms may include abdominal pain, diarrhea, nausea, and vomiting. Absorption is poor, but should it occur, symptoms may include giddiness, capillary damage, myocardia weakness, central nervous system depression, and kidney and liver damage.

Skin Contact: Causes irritation. May cause skin allergy with itching, redness or rash. Some individuals may become sensitized to the substance and suffer "nickel itch", a form of dermatitis.

Eye Contact: Causes irritation, redness, and pain.

Chronic Exposure: Prolonged or repeated exposure to excessive concentrations may affect lungs, liver and kidneys. Chronic exposure to nickel and nickel compounds is associated with cancer.

4. First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.



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If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms/effects, acute and delayed

No data available

Indication of immediate medical attention and special treatment needed, if necessary

No data available

5. Fire Fighting Measures

Extinguishing media: Suitable extinguishing agents. Product is not flammable. Use fire-fighting measures that suit the surrounding fire.

Special hazards arising from the substance or mixture

If this product is involved in a fire, the following can be released:

Sulfur oxides (SO_x)

Nickel oxide

Advice for firefighters

Protective equipment: Wear self-contained respirator.

Wear fully protective impervious suit

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Pick up and arrange disposal. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Access to the area should be limited to authorized persons. Wear special protective equipment for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash hands before eating and do not eat, drink, or smoke in workplace.



8. Exposure Controls/Personal Protection

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment.

Breathing equipment: Use suitable respirator when high concentrations are present

Protection of hands: Impervious gloves Check protective gloves prior to each use for their proper condition.

Skin Protection:

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye Protection:

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

9. Physical and Chemical Properties

Appearance :	Green crystals of cubic
Odor :	Odorless
Vapor Density (Air=1) :	No information found
Vapor Pressure (mm Hg) :	No information found
Evaporation Rate (BuAc=1) :	No information found

10. Stability and Reactivity

Stability:

Stable under recommended storage conditions.

Hazardous Decomposition Products:

No information found

11. Toxicological Information

Cancer Lists

Ingredient	Known	Anticipated	IARC Category
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12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Hazard Class: 9

Packing group: III

UN Number: UN3077

Information reported for product/size: 25kg bag

15. Regulatory Information

Chemical Inventory Status - Part 1

Ingredient	TSCA	EC	Japan	Australia
Nickel Sulfate Hexahydrate(10101-97-0)	Yes	Yes	Yes	Yes

Chemical Inventory Status - Part 2

Ingredient	Korea	DSL	NDSL	Phil.
Nickel Sulfate Hexahydrate(10101-97-0)	Yes	Yes	No	No

Federal, State & International Regulations

Ingredient	RQ	TPQ	List Chemical	Catg.
Nickel Sulfate Hexahydrate(10101-97-0)	No	No	Yes	No

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising from using the above information.