

[Nickel Oxyhydroxide Nanopowder](#)

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Linear Formula	NiO(OH)
Pubchem CID	19695605
MDL Number	N/A
EC No.	N/A
IUPAC Name	oxonickel; hydroxide
SMILES	[OH-].O=[Ni]
Inchl Identifier	InChI=1S/Ni.H2O.O/h;1H2;/p-1
Inchl Key	MMUCNHNUAIJJRH-UHFFFAOYSA-M
Signal Word	N/A
Hazard Statements	N/A
Hazard Codes	N/A
Risk Codes	R36
Safety Statements	S2 S46
Transport Information	NONH for all modes of transport

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SAFETY DATA SHEET

Date Accessed: 09/22/2024

Date Revised: 01/15/2022

SECTION 1. IDENTIFICATION

Product Identifiers: All applicable American Elements product codes for CAS #55070-72-9

Relevant identified uses of the substance:
Scientific research and development

Supplier details:
American Elements
10884 Weyburn Ave.

Los Angeles, CA 90024

Tel: +1 310-208-0551

Fax: +1 310-208-0351

Emergency telephone number:

Domestic, North America +1 800-424-9300

International +1 703-527-3887

SECTION 2. HAZARDS IDENTIFICATION

Toxicity : No Data Available

Eye Contact : Dust may cause irritation

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation : NiOOH

Hazardous Ingredients : Nil

SECTION 4. FIRST AID MEASURES

Skin : Wash skin with soap and copious amounts of water

Eyes : Immediate and prolonged irritation treat with copious amounts of water.

Ingestion : Wash out mouth with water provided person

Is Conscious.

Inhalation : If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen

SECTION 5. FIREFIGHTING MEASURES

Extinguishing Data : Water Spray

Unsuitable Extinguishing Data : Carbon Dioxide, Dry Chemical Powder,

Polymer Foam

Unusual Firefighting Hazards : Capable of creating a dust explosion

Special Firefighting Procedures : Use normal procedures which include wearing self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear respirator, chemical safety goggles, rubber boots and gloves.

Precautions to the Environment : Sweep up, place in a bag and hold for waste disposal.

Cleanup Procedures : Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION 7. HANDLING AND STORAGE

Handling Precautions : Chemical Safety Goggles.

Compatible with

Chemical-resistant Gloves

Storage : Store in a cool dry place.

Unusable Packaging Materials : Wash thoroughly after handling. Irritating dust, Keep tightly closed

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Respiratory : Self-contained breathing apparatus

Hand : Chemical-resistant Gloves

Eye : Avoid contact with eyes

Skin : Wash thoroughly after handling

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Powder

Colour : Black/Green Powder

Odour : No Odour

Safety Related Information

FlashPoint : N/A

Boiling Point : N/A

Melting Point : 230 °C

pH : N/A

SECTION 10. STABILITY AND REACTIVITY

Stability : Completely Stable

Reactivity : Non Reactive/ Non Soluble

SECTION 11. TOXICOLOGICAL INFORMATION

Possible Health Effects

Skin : No effect

Eyes : Irritation

Inhalation : No Chocking Hazard

SECTION 12. ECOLOGICAL INFORMATION

Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

No Negative Ecological Impact, Data not Available

SECTION 13. DISPOSAL CONSIDERATIONS

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator, equipped with an afterburner and scrubber

SECTION 14. TRANSPORT INFORMATION

HS Code : 75040000

CAS : 55070-72-9

Proper Shipping Name : Nickel Oxyhydroxide Nanopowder

Air Transport (ICAO & IATA) : Speciality Chemical

Class : Non Hazardeous

Packing group : Normal Packing

SECTION 15. REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: Nickel Oxyhydroxide Nanopowder

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada)

DSCL (EEC):

R36- Irritating to eyes

S2- Keep out of the reach of children

S46- If swallowed, seek medical advice immediately & show container or label
HMIS (U.S.A.):
Health Hazard: 1
Fire Hazard: 0
Reactivity: 0
Personal Protection: E
National Fire Protection Association (U.S.A.):
Health: 1
Flammability: 0
Reactivity: 0
Specific hazard:
Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent.
Splash goggles.

16. OTHER INFORMATION

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH). The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. American Elements shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. COPYRIGHT 1997-2022 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.
