

# SAFETY DATA SHEET

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## SECTION 1. IDENTIFICATION

**Product Identifier:** 99%+ Nickel Oxyhydroxide Nanopowder

**Product Code:** NI-OOH-02-NP

**CAS Number:** 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:  
+1 800-424-9300

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## SECTION 2. HAZARDS IDENTIFICATION

Toxicity : No Data Available

Eye Contact : Dust may cause irritation

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterisation : NiOOH

Hazardous Ingredients : Nil

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## 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

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## **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.

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## **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.

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## **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

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## **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

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## **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

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## **SECTION 10. STABILITY AND REACTIVITY**

Stability : Completely Stable

Reactivity : Non Reactive/ Non Soluble

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## **SECTION 11. TOXICOLOGICAL INFORMATION**

Possible Health Effects

Skin : No effect

Eyes : Irritation

Inhalation : No Chocking Hazard

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## **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

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## **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

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## **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

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## **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.

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## **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 1997-2019 AMERICAN ELEMENTS. LICENSED GRANTED TO MAKE UNLIMITED PAPER COPIES FOR INTERNAL USE ONLY.