

# SAFETY DATA SHEET

Date Printed: 05/05/2024

Date Revised: 01/15/2022

---

## SECTION 1. IDENTIFICATION

**Product Identifier:** Nickel Isopropoxide

**Product Code:** NI-IP-01

**CAS Number:** 41329-27-5

**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

---

## SECTION 2. HAZARDS IDENTIFICATION



H228 Flammable solid, category 2 H315 Causes skin irritation, category 2 H411 Toxic to aquatic life with long lasting effects, category 2

---

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Nickel Isopropoxide Powder Cas No.: 41329-27-5 Formula:  $\text{Ni}(\text{OC}_3\text{H}_7)_2$

---

## SECTION 4. FIRST AID MEASURES

**Skin** Remove contaminated clothing. Flush affected areas with soapy water. Apply antiseptic cream to irritated area. **Eyes** Flush with plenty of water holding eyelids open to ensure complete flushing. **Inhalation** Remove to fresh air. Obtain medical help if symptoms persist. **Ingestion** Clean mouth with water and drink plenty of water. Seek medical attention.

---

## **SECTION 5. FIREFIGHTING MEASURES**

Emits flammable organic vapours on heating and in contact with water. Use carbon dioxide or dry powder extinguisher.

---

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Smother with dry sand or vermiculite. Collect up into salvage container for correct disposal. Flush site of spill with water.

---

## **SECTION 7. HANDLING AND STORAGE**

Moisture sensitive, keep dry and well closed. Incompatible with oxidising agents. Observe reputable laboratory hygiene standards.

---

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Handle under inert atmosphere. Contact with bulk water is hazardous. Wear protective clothing appropriate to scale of handling.

---

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Description Violet powder, moisture sensitive. Melting point decomposes Boiling point decomposes  
Solubility in water decomposes Solubility in organics insoluble unless reacts

---

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

Stable under inert atmosphere, decomposed by water. Reacts with oxidising agents.

---

## **SECTION 11. TOXICOLOGICAL INFORMATION**

May cause sensitisation by inhalation and skin contact

---

## **SECTION 12. ECOLOGICAL INFORMATION**

Very toxic to fish and aquatic organisms

---

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Treat with ethanol then with excess water. May be burned in a chemical incinerator fitted with scrubber and after-burner. Local, regional and national regulations apply.

---

## **SECTION 14. TRANSPORT INFORMATION**

UN 3180 Flammable solid, corrosive Class 4.1 subsidiary 8 PG III

---

## SECTION 15. REGULATORY INFORMATION

H228 Flammable solid, category 2 H315 Causes skin irritation, category 2 P210 Keep away from sources of ignition P273 Avoid release to the environment P280 Wear protective clothing and eye/face protection P402 + P404 Store in a dry place in a closed container P305 + P351 + P338 If in eyes, rinse with water for several minutes, remove contact lenses and continue to flush

---

## 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.