

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Nickel (Accelerators, Capsules, Plugs, Boats, and Baskets)**

AR508, AR509, AND-3500, AEB-1007, AEB-1024, AED-6000, AR568, AR569, AR569-250, AR598, AR599, AR1951, AR2059, AR2183, AR2190, AR2343, AR2344, AR2345, AR4101, AR4113, AR8599, AR4181, AR4114, AR4181, AR5501, AR9001, AR9002

This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: DANGER

**SECTION 2— HAZARDS IDENTIFICATION**

**Physical Hazard class:** Sensitization, skin (Category 1), carcinogenicity (Category 2), specific target organ toxicity, repeated exposure, inhalation (Category 1), acute aquatic toxicity (Category 3), and chronic aquatic toxicity (Category 3)

**Health Hazard statements:** May cause an allergic skin reaction (H317), causes damage to organs through prolonged or repeated exposure (H372), and suspected of causing cancer (H351),

**Precautionary statement:** Don't breathe dust/fume/gas/mist/vapors/spray (P260), obtain special instructions before use (P201), do not handle until all safety precautions have been read and understood (P202), wash skin thoroughly after handling (P264), don't eat, drink or smoke when using this product (P270), contaminated work clothing should not be allowed out of workplace (P272), avoid release into environment (P273), use personal protective equipment as required (P281), and dispose of contents/container to an approved waste disposal plant (P501).

**First Aid statements:** IF ON SKIN: wash with plenty of soap and water (P302+P352), If exposed or concerned: get medical advice/attention (P308+P313), If skin irritation or rash occurs: get medical advice/attention (P333+P313), and wash contaminated clothing before reuse (P363).

**SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS****Hazardous substance required for disclosure.**

Component	CAS #	Common %
Nickel	7440-02-0	100

**SECTION 4— FIRST AID MEASURES**

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). If breathing is difficult qualified personnel may administer Oxygen. If not breathing give artificial respiration when qualified.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water. (P302+P352). Wash contaminated clothing before reuse (P363).

**If swallowed:** Rinse mouth. Call a poison center or physician.

---

## SECTION 5 — FIRE FIGHTING MEASURES

---

Non-flammable in solid form.

When heated to decomposition some toxic fumes may be released.

A tri-class dry chemical, alcohol resistant foam, and carbon dioxide fire extinguisher can be used to put out flames.

Wear self-contained breathing apparatus for fighting fires if necessary.

---

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

---

Use personal protective equipment when cleaning up release. Ensure adequate ventilation. If no ventilation, a respiratory must be used.

Avoid release into environment.

This material can be swept up and placed in a sealed vessel for disposal. Make sure to not stir up the dust because it can be harmful when inhaled. Wash the area with wet cloth after being swept up completely.

---

## SECTION 7 — HANDLING AND STORAGE

---

**Handling:** Keep sealed and don't breathe dust if produced. Wear appropriate clothing for protection. Where no ventilation is available a respirator will be required.

**Storage:** This product should be stored in a cool, dry place and kept sealed (P233) when not in use. Also, keep away from oxidizing agents, combustible materials, metals and acids.

---

## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

---

### Exposure Limit Values

Material	Form	Standard	Limit
Nickel	Solid	OSHA PEL	1mg/m <sup>3</sup>
Nickel	Solid	ACGIH TLV	1.5mg/m <sup>3</sup>

Not: Limits/standards shown for guidance only. Follow regulations.

**Engineering Controls:** Proper ventilation must be available to be certain exposure limits are not exceeded.

**Personal Protection:** Respiratory protection could be required if adequate ventilation has not been achieved.

**Hand Protection:** Glove suitability will differ depending on the end use of product. Chemical resistant gloves can provide an excellent barrier of protection.

**Eye protection:** Safety glasses with side shields are necessary if splashing is possible.

**Skin and Body Protection:** Chemical and oil resistant clothing are recommended for extended periods of contact.

**Hygiene:** Wash hands and areas of possible exposure after handling material especially before eating, drinking, and smoking. The work clothing should also be washed regularly to remove any contaminants. Dispose of contaminated clothing that can't be deemed safe.

---

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

---

**Note: Physical and chemical properties are provided for safety, health, and environmental considerations only and may not represent the products specifications. Contact supplier for additional information.**

Solid shiny silver metal

Odorless

Relative density: 8.9

Melting Point: 1455°C

Boiling Point: 2730 °C

Vapor Density: N/A

Refractive index: N/A

Soluble: Insoluble in water. Soluble in dilute Nitric Acid

Flash point: N/A

Auto-Ignition Temperature: N/A

---

## SECTION 10 — STABILITY AND REACTIVITY

---

Stable material at normal laboratory conditions.

**Avoid:** Don't create dust or powder. These fine particles can be harmful and reactive..

**Corrosivity:** Non-corrosive with presence of glass.

**Hazardous Decomposition:** No decomposition at ambient temp.    **Hazardous Polymerization:** None

**Reactivity:** Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders, ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate +titanium powder+industrial earth.

---

## SECTION 11 — TOXICOLOGICAL INFORMATION

---

**Points of entry:** inhalation and ingestion

**Toxicity to Animals:**    LD50: N/A LC50: N/A

**Chronic Effects on Humans:** Carcinogenic effects, classified 2B by IARC (possible for human). Causes damage to the following organs: skin. May cause damage to the following organs: kidneys, lungs, liver, and upper respiratory tract.

**Acute Effects:** Hazardous when inhalation occurs. Slightly hazardous when skin contact is made (irritant/sensitizer).

The acute and toxicity of this substance is not fully known.

**Human carcinogen:** There is enough information from epidemiological research to make a link between exposure and cancer.

---

## SECTION 12 — ECOLOGICAL INFORMATION

---

This product shouldn't be released without the proper paperwork.

**Eco-toxicity Data:** Toxicity to fish – LC50 – Cyprinus carpio (carp): 1.3mg/l (96hr)

Toxicity to daphnia and other aquatic invertebrates – EC50 – Daphnia magna (water flea): 1mg/l (48hr)

**Bio-degradation:** Short term products are not suspected. Long term degradation products may arise.

Toxicity of the products of biodegradation are as toxic as the original product.

---

## SECTION 13 — DISPOSAL CONSIDERATIONS

---

Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Do not contaminate any streams, lakes, or ponds.

---

## SECTION 14 — TRANSPORT INFORMATION

---

Not regulated for land transport by DOT

---

## SECTION 15 — REGULATORY INFORMATION

---

This material is considered hazardous according to OSHA HazCom 2012, 29CFR 1910.1200

U.S. Federal Regulations

TSCA Status: On Toxic Substance Control Act Inventory List.

CERCLA Reportable Quantity: 100lbs.

RCRA Status: Not regulated

SARA 313 Title III: Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute/Chronic

Section 313 Toxic Chemicals: Nickel

State Regulations:

Massachusetts Right to Know Nickel CAS#7440-02-0

Pennsylvania Right to Know Nickel CAS#7440-02-0

New Jersey Right to Know Nickel CAS#7440-02-0

California Prop 65: Warning this product contains a chemical known to State of California to cause cancer.

---

**SECTION 16 — OTHER INFORMATION**

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

---