

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Copper (sticks, wires, pins, accelerant, coils, and plugs)**

AR006, AR031, AR129, AR147, AR148, AR149, AR184, AR189, AR263, AR366, AR571, AR621, AR643, AR809, AEB1035, AEB1013, AR1189, AR2304, AR2304-350, AR2304-500, AR140007, AED6002,

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 N/A

Pictograms

**SECTION 2— HAZARDS IDENTIFICATION**

**Hazard class:** Hazardous to the aquatic environment acute and long-term hazard (category 3).

Precautionary Statements: Avoid release to the environment, wash hands after handling, store away from incompatible materials, and dispose of contents/container in accordance with local/regional/national/international regulations.

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**SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS**

| Component Name | CAS Number | Formula | Formula Weight | Concentration |
|----------------|------------|---------|----------------|---------------|
| Copper         | 7440-50-8  | Cu      | 63.55          | 100%          |

**SECTION 4— FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing(P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water and soap.

**If swallowed:** Rinse mouth with large amounts of water. Call a POISON CENTER or physician if ill.

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## SECTION 5 — FIRE FIGHTING MEASURES

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Nonflammable solid.

Noncombustible solid in bulk form, but air-born dust may ignite.

**In case of fire:** Use a tri-class dry chemical fire extinguisher.

**Dust may form explosive mixture in air.** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operate in positive pressure mode.

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. Avoid generating dusty environment. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

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Handle in areas with open ventilation. Keep dust creating and build up to a minimum. Avoid contact with eyes and skin.

Store in a sealed container. Store in a dry cool environment that is well ventilated. Do not expose to air.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Data Limits: OSHA (PEL): 1mg/m<sup>3</sup>

ACGIH(TLV): 1mg/m<sup>3</sup>

The use of proper ventilation is encouraged to prevent over exposure. Use a respirator when necessary in accordance with OSHA regulations 29 CFR 1910.134. Wear proper personal protection equipment such as appropriate gloves and clothing, be sure to wear the proper eye protection.

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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Red-brown ductile metal. Also granules, shot, powder, sheet, wire, and foil turnings. Odorless.

Melting point: 1083°C

Boiling Point: 2595°C

Relative Density: 8.92

Soluble: Nitric acid and hot sulfuric acid

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## SECTION 10 — STABILITY AND REACTIVITY

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Avoid contact with strong oxidizers, strong acids, bromates, chlorates, iodates, and halogens.

Keep away from nitric acid, emits toxic fumes of nitrogen oxides.

Shelf life: Indefinite, if stored properly.

Hazardous decomposition produces Copper fumes.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute toxicity data: LD50 Intraperitoneal – Mouse: 3.5mg/kg

Chronic effects: N.A.

Target organs: N.A.

Symptoms of systemic copper poisoning as follows: headache, cold sweat, weak pulse, kidney/liver damage, jaundice, paralysis, and coma. Death may occur from renal failure or shock.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data not yet available.

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Please review all federal, state and local regulations that may apply before proceeding.

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**SECTION 14 — TRANSPORT INFORMATION**

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DOT: not a dangerous good

IMDG UN number:3077      Class:9      Packing group:III      EMS-No: F-A, S-F      Marine pollutant: yes

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)

IMDG UN number:3077      Class:9      Packing group:III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Copper)

Additional Information: EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packages with Dangerous Goods >5L for liquids or >5kg for solids.

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**SECTION 15 — REGULATORY INFORMATION**

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**US Federal Regulations TSCA Status:** On toxic substance control inventory.

**CERCLA Reportable Quantity:** Copper, 5000lbs.

**SARA Title III:** Section 302 Extreme Hazardous Substances: NONE

Section 311&312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

**State Regulations:**

Massachusetts Right to Know: none

Pennsylvania Right to Know: Copper CAS#7440-50-8

New Jersey Right to Know: Copper CAS#7440-50-8

**Canadian Regulation:** WHMIS: Not Regulated

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**SECTION 16 — OTHER INFORMATION**

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The data and information 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 fo the information be erroneous.