

**Alpha Resources Inc.**

**Safety Data Sheet (SDS)**

Revision Date: April 30, 2015

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Tin Coated Copper Metal Accelerator**

AR400

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      Warning

**Pictograms****SECTION 2— HAZARDS IDENTIFICATION**

Hazard class: Serious eye damage/eye irritation (category 2B), skin corrosion/irritation (category 3), and specific target organ toxicity, single exposure; Respiratory tract irritation (category 3).

Hazard Statements: Causes mild skin irritation (H316), causes eye irritation (H320), and may cause respiratory irritation (H335).

Precautionary Statements: Wash thoroughly after handling (P264), avoid breathing dust/gas/fume/mist/vapor/spray (P261), store in a well-ventilated place keep container tightly closed (P403+P233), and store locked up (P405).

First aid Statements: IF skin irritation occurs: get medical advice/attention (P332+P313), IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing (P305+P351+P338), If eye irritation persists: get medical advice/attention (P337+P313), IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340), and call a POISON CENTER or doctor/physician if you feel unwell (P312).

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

Component Name	CAS Number	Formula		Concentration
Copper	7440-50-8	Cu		>80%
Tin	7440-31-5	Sn		<20%

**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. DO NOT Induce vomiting.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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**Extinguishing Media:** Alcohol-resistant foam, carbon dioxide, dry chemical, or water spray.

**Advice for Fighting Fire:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operate in positive pressure mode.

**Special Hazards Arising:** N/A

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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**Precautions:** Use suitable personal protective equipment when cleaning up any spills. Ventilation is required to prevent over exposure. Avoid contact with skin and eyes. Don't breathe gas/fumes/vapor/spray. Evacuate personnel to safe zone.

**Method:** 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.

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**SECTION 7 — HANDLING AND STORAGE**

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**Handle** in areas with open ventilation and store locked up. Keep dust creating and build up to a minimum. Avoid contact with eyes and skin. Wear suitable personal protection equipment. Wash hands after handling material. Don't breathe dust or vapor.

**Store** in a dry cool environment that is well ventilated. Store in a sealed container.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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

Tin      OSHA (PEL): 2mg/m<sup>3</sup>      ACGIH(TLV): 2mg/m<sup>3</sup>

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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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Grey granules	Odorless.	pH: N/A
Melting point: N/A	Vapor pressure: N/A	Vapor density: N/A
Boiling Point: N/A	Relative Density: N/A	Flash Point: N/A
Soluble: N/A		

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**SECTION 10 — STABILITY AND REACTIVITY**

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Stable under normal conditions.

Reactivity not determined.

Shelf life: Indefinite, if stored properly.

Hazardous decomposition not determined.

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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

**Carcinogenicity:** No component of this product identified as a carcinogen by OSHA.

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 regulated

**IMDG**

UN number: UN#3077      Hazard class: 9      Packing group: III      Marine pollutant: yes  
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE N.O.S. (Copper)      EMS-No: F-A, S-F

**IATA**

UN number: UN#3077      Hazard class: 9      Packing group: III  
Shipping name: Environmentally hazardous substance n.o.s. (Copper)  
EHS-Mark required for single packaging and combination packaging containing dangers goods>5L or >5kg.

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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

Massachusetts Right to Know: Tin CAS#7440-31-5

Pennsylvania Right to Know: Tin CAS#7440-31-5

New Jersey Right to Know: Tin CAS#7440-31-5-8

**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 of the information be erroneous.

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