

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: April 8, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Alphacat - Tungsten (VI) Oxide

AEB-1025, AEB-4000, AR321, AR20017, AR2181, AR2301P, AR2301, AR20024

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

SECTION 2— HAZARDS IDENTIFICATION

This material is NOT considered hazardous according to GHS standard. It's good practice to treat all lab consumables with caution.

Even though NOT considered hazardous, reactions among some chemicals are somewhat unpredictable. For this reason even non-hazardous materials shouldn't be treated carelessly.

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL(mg/m ³)	ACGIH TLV (mg/m ³)	Common %
Tungsten Trioxide	1314-35-8	N/A	10(total) 5 (respirable)	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. Consult physician.

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). If persists seek medical attention and bring label. Thoroughly clean and dry contaminated clothing.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

SECTION 5 — FIRE FIGHTING MEASURES

Extinguishing Media: A water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Fire-Fighting Equipment/Instructions: A self-contained breathing apparatus and full protection suit should be used when necessary.

Special Hazards arising from mixture: Tungsten oxide

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective equipment, and emergency procedures: Use efficient person protective equipment and avoid dust creation. Don't breathe vapors, mist, dust, or gas. Be certain adequate ventilation is present. Remove personnel if risk is low.

Methods and Materials for clean up: Pick up without forming dust. Sweep and shovel the material in a safe manner. Place in an acceptable vessel for disposal.

SECTION 7 — HANDLING AND STORAGE

Handling: Prevent contact with skin and eyes with material. Don't allow material to create dust. Use proper ventilation if dust is formed.

Storage: Store in a cool, dry place and keep sealed. Follow all regulations or standards that apply.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits:

ACGIH (TLV); 10mg/m³ (total)

ACGIH (TLV); 5mg/m³ (respirable)

Personal Protection: Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Proper ventilation should be used when appropriate (P271). An approved NIOSH respirator should be worn if exposure limits are excessive. Wear splash resistant safety goggles with a shield. Eye wash stations are important to have nearby in case of accident.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Yellow Powder	Odor: N/A	Specific gravity: 7.2
Melting/Freezing Point: 1472°C	Boiling Point: N/A	Vapor Density: N/A
Refractive index: N/A	Soluble: Insoluble in water	Evaporation rate: None
Flash point: N/A	Auto-Ignition Temperature: N/A	
Explosive limits, LEL Vol%: N/A	Explosive limits, UEL Vol%: N/A	

SECTION 10 — STABILITY AND REACTIVITY

Stable material at normal laboratory conditions. Not reactive at normal temperature and pressure.

Avoid: Avoid generating dust or small particulates. This material should be kept away from water supplies and sewers.

Incompatible: Bromine and strong acids. Reacts violently with bromine pentafluoride or chlorine trifluoride.

Hazardous Decomposition: Not known

Hazardous Polymerization: None

SECTION 11 — TOXICOLOGICAL INFORMATION

Oral LD50 (Rat): 1059 mg/kg

Listed as NOT a carcinogen or potential carcinogen by IARC. Also, listed as not a carcinogen by OSHA and NTP.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity: No data presently available.

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

United States Department of Transportation: NOT Regulated as dangerous good.

Hazard class: N/A

UN number: N/A

Packing Group: N/A

SECTION 15 — REGULATORY INFORMATION

U.S. Federal Regulations

TSCA Status: Listed on Toxic Substance Control Act Inventory List.

CERCLA Reportable Quantity: Not regulated

RCRA Status: Not regulated

SARA 313 Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic health

Section 313 Toxic Chemicals: None

Canadian Regulations

WHMIS: None

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.