

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: April 29, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Chromium (III) Oxide

AEB1004

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 #	Common %
Chromium (III) Oxide	1308-38-9	<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 stops provide artificial respiration when authorized. Seek medical attention

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 soap and water. (P302+P352)

If swallowed: Rinse mouth if conscious. Call a physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

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

Fire Fighting Instructions: Firefighters should self-contained breathing apparatus when necessary. Also, where suitable protective clothing and take the proper precautions.

Special hazards arising from the substance: Chromium oxides.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Precautions: Use appropriate personal protection equipment. This material should be swept up and placed into a sealed, labeled vessel for disposal. Don't raise dust when sweeping. Wash the contaminated area once the sweeping has taken place. Ventilation must be available or respiratory might be only way to avoid over exposure.

Environmental precautions: Don't allow to enter water ways or drains.

SECTION 7 — HANDLING AND STORAGE

Handling: This material is to be handled carefully with the appropriate personal protective equipment. Ensure adequate ventilation where necessary to work with material. Avoid dust formation.

Storage: This product should be stored in a cool, dry well-ventilated place and kept sealed when not in use. Store locked up if possible.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). An approved NIOSH respirator should be worn if exposure limits are excessive.

Component	CAS#	Value	Limits	Basis
Chromium (III) Oxide	1308-38-9	TWA	0.5 mg/m ³	USA. Occupational exposure limits (OSHA) Table Z-1 limits for air contaminants
		TWA	1mg/m ³	USA. Occupational exposure limits (OSHA) Table Z-1 limits for air contaminants
		TWA	0.5 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Upper Respiratory Tract irritation, skin irritation, not classifiable as a human carcinogen varies		
		TWA	0.5 mg/m ³	USA. NIOSH Recommended Exposure Limits
		Chromium (III) compounds include soluble chromic salts.		
		TWA	1mg/m ³	USA. Occupational exposure limits (OSHA) Table Z-1 limits for air contaminants

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Green Powder

Odorless

Relative density: 5.21

Melting Point: N/A

Boiling Point: N/A

Soluble: N/A

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable under normal laboratory conditions

Avoid contact with strong oxidizing agents and moisture

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Effects Data: LD50 Oral-Rat:>10,000mg/kg

Acute toxicity: toxic if swallowed

Skin corrosion/irritation: Skin-Rabbit: mild skin irritation

Serious eye damage/irritation: Eyes-Rabbit: mild eye irritation

Chronic Effects: N/A

Carcinogenicity: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Target Organs: N/A

SECTION 12 — ECOLOGICAL INFORMATION

N/A

SECTION 13 — DISPOSAL CONSIDERATIONS

Waste disposal should be done in compliance with existing federal, state and local environmental regulations. Dispose of contaminated packaging as you would unused product.

SECTION 14 — TRANSPORT INFORMATION

Not a dangerous good for transportation.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of title III.

SARA 313 Components: Chromium (III) Oxide is subject to reporting levels within this specification.

SARA 311/312 Hazards: N/A

Massachusetts RTK Components: Chromium (III) Oxide CAS#1308-38-9

Pennsylvania RTK Components: Chromium (III) Oxide CAS#1308-38-9

New Jersey RTK Components: Chromium (III) Oxide CAS#1308-38-9

California Prop 65: No chemicals in this material known to cause cancer, birth defects, or any other reproductive harm.

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.
