Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: December 7, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Nickel/Chromium Oxide Granular

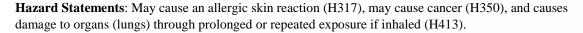
AEB1033, AEB1034, AEB1260, KED1015 This product is intended for laboratory use.

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

Hazard Classification: Skin sensitization (category 1), carcinogenicity (category 1A), specific target organ toxicity-repeated exposure, inhalation, lungs (category 1), chronic aquatic toxicity (category 4).



Precautionary Statements: Obtain special instructions before use (P201), Don't handle until all safety precautions have been read and understood (P202), Don't breathe dust/fume/gas/mist/vapors/spray (P260), wash skin thoroughly after handling (P264), don't eat/drink/smoke when using this product (P270), Contaminated work clothing shouldn't be allowed out of workplace (P273), wear protective gloves (P280), use personal protective equipment as required (P281), store locked up (P405), 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), and IF skin irritation or rash occurs: get medical advice/attention (P333+P313).





SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS#	Common %
Nickel Monoxide	1313-99-1	<100
Chromium (III) Oxide	1308-38-9	<100

SECTION 4— FIRST AID MEASURES

General: Consult a physician. Show this safety data sheet to the doctor and move out of dangerous area.

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). Take person to the hospital immediately. Consult physician.

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: Burning material produces irritating, toxic, and obnoxious fumes.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Precautions: Avoid skin and eye contact. 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. Don't breathe gas/fumes/vapors/spray. Move personnel to a safe area.

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. Wash hands after handling. Don't breathe dust or vapor.

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. Don't breathe dust or vapor.

Component	CAS#	Value	Limits	Basis
Nickel	1313-99-1	TWA	1 mg/m^3	USA. Occupational exposure limits (OSHA)
Monoxide				Table Z-1 limits for air contaminants
		TWA	0.015 mg/m^3	USA. NIOSH Recommended Exposure Limits
	Remarks	Potential Occupational		
		Carcinogen		
		TWA	0.2mg/m^3	USA. ACGIH Threshold Limit Values (TLV)
		Lung cancer		
		Confirmed human carcinogen		
		varies		
Chromium	1308-38-9	TWA	0.5 mg/m^3	USA. Occupational exposure limits (OSHA)
(III) Oxide				Table Z-1 limits for air contaminants
		TWA	1 mg/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	1 mg/m^3	USA. Occupational exposure limits (OSHA)
		Table Z-1 limits for air contaminants

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Green granules Odorless Relative density: N/A

Melting Point: N/A Boiling Point: N/A

Soluble: Insoluble in water

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable under normal laboratory conditions

Avoid contact with strong oxidizing agents and moisture

SECTION 11 — TOXICOLOGICAL INFORMATION

Toxicological Data: Chromium (III) Oxide Oral Rat LD50: 10000mg/kg

Acute Effects Data: N/A

Acute toxicity: May cause irritation to respiratory system. May cause irritation to skin, eyes, and mucous membranes.

Chronic Effects: N/A

Carcinogenicity: Carcinogen category 1

Target Organs: N/A

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity Data: N/A

Toxicity: May cause long-term adverse effects in the aquatic environment.

Persistence and degradability: Not readily biodegradable.

Bioaccumulative potential: This product may be accumulated in organisms. BCF675

Mobility in soil: N/A

Other Adverse Effects: 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: The following components are subject to reporting levels established by SARA Title III, Section 313:

Nickel Monoxide CAS#1313-99-1

SARA 311/312 Hazards: Acute health hazard and chronic health hazard Massachusetts RTK Components: Nickel Monoxide CAS#1313-99-1

SDS#93

Pennsylvania RTK Components: Nickel Monoxide CAS#1313-99-1 New Jersey RTK Components: Nickel Monoxide CAS#1313-99-1 Massachusetts RTK Components: Chromium Oxide CAS#1308-38-9 Pennsylvania RTK Components: Chromium Oxide CAS#1308-38-9 New Jersey RTK Components: Chromium Oxide CAS#1308-38-9

California Prop 65: WARNING! This product contains a chemical known to cause cancer. Nickel Monoxide CAS#1313-99-1

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.