

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: April 30, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Nickelised Carbon (20% Nickel)

AEB1006, AEB1087

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

Physical Hazard class: Sensitization, skin (Category 1), carcinogenicity (Category 2), specific target organ toxicity, repeated exposure, inhalation (Category 1), acute aquatic toxicity (Category 3), and chronic aquatic toxicity (Category 3)

Health Hazard statements: May cause an allergic skin reaction (H317), causes damage to organs through prolonged or repeated exposure (H372), and suspected of causing cancer (H351),

Precautionary statement: Don't breathe dust/fume/gas/mist/vapors/spray (P260), obtain special instructions before use (P201), do not handle until all safety precautions have been read and understood (P202), wash skin thoroughly after handling (P264), don't eat, drink or smoke when using this product (P270), contaminated work clothing should not be allowed out of workplace (P272), avoid release into environment (P273), use personal protective equipment as required (P281), 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), If skin irritation or rash occurs: get medical advice/attention (P333+P313), and wash contaminated clothing before reuse (P363).



SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	Common %
Carbon	7440-44-0	<100
Nickel	7440-02-0	<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. DON'T INDUCE VOMITING.

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 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.

Component	CAS#	Value	Limits	Basis
Nickel	7440-02-0	TWA	1.5 mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
	Remarks	Dermatitis, Pneumoconiosis, not suspected as a human carcinogen		
		TWA	1 mg/m ³	USA. Occupational exposure limits (OSHA) Table Z-1 limits for air contaminants
		TWA	0.015 mg/m ³	USA. NIOSH Recommended Exposure Limits
		Potential Occupational Carcinogen		

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Grey granules

Odorless

Relative density: N/A

Melting Point: N/A

Boiling Point: N/A

Soluble: N/A

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable under normal laboratory conditions

Possibility of hazardous reactions: Acids, ammonia, and oxidizing agents

Incompatible materials: acids, ammonia, organic materials, oxidizing agents, Sulphur compounds, hydrogen gas, oxygen, methanol, organic solvents, aluminum, fluorine

Hazardous decomposition products: No data

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute Effects Data:

Carbon

LD50 Oral-Rat:>8000mg/kg

Acute toxicity: N/A

Skin corrosion/irritation: N/A

Serious eye damage/irritation: N/A

Chronic Effects: N/A

Carcinogenicity: N/A

Target Organs: N/A

Nickel

Points of entry: inhalation and ingestion

Toxicity to Animals data: LD50: N/A LC50: N/A

Chronic Effects on Humans: Carcinogenic effects, classified 2B by IARC (possible for human).

Causes damage to the following organs: skin. May cause damage to the following organs: kidneys, lungs, liver, and upper respiratory tract.

Acute Effects: Hazardous when inhalation occurs. Slightly hazardous when skin contact is made (irritant/sensitizer).

The acute and toxicity of this substance is not fully known.

Human carcinogen: There is enough information from epidemiological research to make a link between exposure and cancer.

SECTION 12 — ECOLOGICAL INFORMATION

Ecotoxicity Data: Carbon

Algae EC50:10000mg/l (72hr)

Daphnia LC50:5600mg/l (24hr)

Brachydanio Rerio LC50: 1000mg/l (96hr)

Persistence and degradability: N/A

Bioaccumulative potential: N/A

Mobility in soil: N/A

Other Adverse Effects: N/A

Ecotoxicity Data: Nickel

This product shouldn't be released without the proper paperwork.

Eco-toxicity Data: Toxicity to fish – LC50 – Cyprinus carpio (carp): 1.3mg/l (96hr)

Toxicity to daphnia and other aquatic invertebrates – EC50 – Daphnia magna (water flea): 1mg/l (48hr)

Bio-degradation: Short term products are not suspected. Long term degradation products may arise.

Toxicity of the products of biodegradation are as toxic as the original product.

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

This material is considered hazardous according to OSHA HazCom 2012, 29CFR 1910.1200

U.S. Federal Regulations

TSCA Status: On Toxic Substance Control Act Inventory List.

CERCLA Reportable Quantity: 100lbs.

RCRA Status: Not regulated

SARA 313 Title III: Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute/Chronic

Section 313 Toxic Chemicals: Nickel

Massachusetts Right to Know Nickel CAS#7440-02-0

Pennsylvania Right to Know Nickel CAS#7440-02-0

New Jersey Right to Know Nickel CAS#7440-02-0

Pennsylvania RTK Components: Activated Carbon Not transportation regulated CAS#7440-44-0

New Jersey RTK Components: Activated Carbon Not transportation regulated CAS#7440-44-0

California Prop 65:WARNING this product contains a chemical known to State of California to cause cancer

Nickel CAS#7440-02-0

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.
