

Alpha Resources Inc.

Safety Data Sheet (SDS)

Revision Date: May 5, 2015

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**Limestone Standards**

AR4012, AR4013, AR4014, AR4015, AR4022, AR4023, AR4024

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 chemical is considered to be non-hazardous according to the GHS classification for the HazCom standard. This material should still be treated cautiously.

Even materials that are considered non-hazardous have been known to react unpredictably. Safety is always first when performing laboratory tasks.

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS**Hazardous substance required for disclosure.**

Component	CAS #	Common %
Limestone	471-34-1	<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.

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 and soap. (P302+P352). Wash contaminated clothing before reuse (P363).

If swallowed: Rinse mouth. Call a poison center or physician. Never induce vomiting.

SECTION 5 — FIRE FIGHTING MEASURES

Extinguishing media: use dry chemical, alcohol-resistant foam, carbon dioxide, or water spray.

Special hazards arising: Aluminum oxide, silicon oxides

Advice for firefighters: Wear self-contained breathing apparatus for fire-fighting when required. The flame retardant clothing should be used to protect the individual. Also, other personal protective equipment should be utilized.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Protection: Use personal protective equipment when cleaning up release. Ensure adequate ventilation. If no ventilation, a respirator must be used. Keep dust formation to a minimum. Avoid breathing dust/vapors/gas/mist.

Environment: Avoid release into environment, especially water ways and drains.

Method: This material can be swept up and placed in a sealed vessel for disposal. Make sure to not stir up the dust because it can be harmful when inhaled. Wash the area with wet cloth after being swept up completely.

SECTION 7 — HANDLING AND STORAGE

Handling: Keep sealed and don't breathe dust if produced. Wear appropriate clothing for protection. Where no ventilation is available a respirator will be required. Further processing of solid materials could result in combustible dusts being created.

Storage: This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limit Values:

Component	CAS	Value	Limit	Basis
Calcium Carbonate	471-34-1	TWA	10mg/m ³	USA. ACGIH Threshold Limit Values (TLV)
		TWA	15mg/m ³	USA. Occupational Exposure Limits (OSHA) Table z-1 Limits for Air Contaminants
		TWA	5mg/m ³	USA. Occupational Exposure Limits (OSHA) Table z-1 Limits for Air Contaminants
		TWA	5mg/m ³	USA. NIOSH Recommended Exposure Limits
		TWA	10mg/m ³	USA. NIOSH Recommended Exposure Limits

Note: Limits/standards shown for guidance only. Follow regulations.

Engineering Controls: Proper ventilation must be available to prevent over-exposure. Don't blow off dust from clothing or skin with compressed air.

Personal Protection: Respiratory protection could be required if adequate ventilation has not been achieved.

Hand Protection: Glove suitability will differ depending on the end use of product. Chemical resistant gloves can provide an excellent barrier of protection.

Eye protection: Safety glasses with side shields are necessary if splashing is possible.

Skin and Body Protection: Chemical and oil resistant clothing are recommended for extended periods of contact.

Hygiene: Wash hands and areas of possible exposure after handling material especially before eating, drinking, and smoking. The work clothing should also be washed regularly to remove any contaminants. Dispose of contaminated clothing that can't be deemed safe.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Note: Physical and chemical properties are provided for safety, health, and environmental considerations only and may not represent the products specifications. Contact supplier for additional information.

Grey powder appearance	Odorless	Relative density: N/A
Melting Point: 800°C	Boiling Point: N/A	Vapor Density: N/A
pH: 8	Auto-ignition temperature: N/A	Insoluble in water

SECTION 10 — STABILITY AND REACTIVITY

Stability: Stable material at normal laboratory conditions.

Reactivity: No data

Avoid: Acids, strong oxidizing agents, Magnesium, and Aluminum

Corrosivity: No data

Hazardous Decomposition: no data

Hazardous Polymerization: None

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity Data: LD50 Oral Rat- >6450mg/kg

Skin corrosion/irritation: Skin Rabbit results: no irritation

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

Respiratory or skin sensitization: no data

Carcinogenicity: No component of this product present at levels greater than 0.1% is identified as probably, possible or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

Germ cell mutagenicity: no data

Reproductive toxicity: no data

Specific target organ toxicity-single/repeated exposure:

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity Data: no data

Bio-degradation: no data

Bioaccumulative potential: no data

Mobility in soil: no data

Other adverse effects: no data

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. Contact your local licensed waste disposal facility.

SECTION 14 — TRANSPORT INFORMATION

DOT, IMDG, and IATA no a dangerous good.

SECTION 15 — REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302.

SARA 313 Components: This material doesn't contain any chemical components with known CAS that exceed the threshold reporting levels established by SARA Title III, Sect. 313.

SARA 311/312 Hazards: none

Massachusetts RTK Components: none

Pennsylvania RTK Components: Calcium carbonate CAS#471-34-1

New Jersey RTK Components: Calcium carbonate CAS#471-34-1

This product does not contain a chemical known to the State of California 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.