

Alpha Resources Inc.

## Safety Data Sheet (SDS)

Revision Date: Nov 29, 2017

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Molecular Sieve

AEB1020, AEB1021, AEB3000, AEB3004, AEB3005, AR9821, AEB1047

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    WARNING

## SECTION 2— HAZARDS IDENTIFICATION

**Hazard Classification:** Serious eye damage/eye irritation (Category 2A) and Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)

**Hazard Statements:** Causes serious eye irritation (H319) and may cause respiratory irritation (H335).

**Precautionary Statements:** Avoid breathing dust/fume/gas/mist/vapors/spray (P261), wash thoroughly after handling (P264), use only outdoors or in well ventilated area (P271), store in a well ventilated place, keep container tightly closed (P403+P233), dispose of contents/container to a licensed waste disposal company (P501), and wear protective gloves/protective clothing/eye protection/face protection (P280)

**First Aid Statements:** IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340), IF IN EYES: rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do, continue rinsing (P305+P351+P338), call a POISON CENTER or doctor/physician if you feel unwell (P312), and if eye irritation persists: get medical advice/attention (P337+P313).



## SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS #	OSHA PEL(mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Common %
Molecular Sieve				90-100

## 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 unconscious, check for breathing and apply artificial respiration if necessary. 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 water. (P302+P352)

**If swallowed:** Never give anything by mouth to an unconscious person. If swallowed, rinse mouth with water if person is conscious. DON'T induce vomiting. Seek medical attention.

**Important symptoms:** Can cause lung damage, coughing and difficulty breathing.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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**Extinguishing Media:** Dry chemical, water spray, alcohol-resistant foam, or carbon dioxide.

**Fire Fighting Instructions:** Firefighters should wear positive pressure self-contained apparatus if necessary.

Full fire retardant clothing might be necessary depending on size of fire.

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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**Person Precautions:** Adequate ventilation is necessary to prevent over-exposure. Avoid contact with skin and eyes. Avoid production of dust if possible. If dust is formed, don't breathe in and if necessary use a respirator to protect from exposure. Don't breathe in gas/fumes/vapor/spray. Move personnel away from area if possible to a safer zone.

**Small or large spill:** Pick up large pieces and place into sealable container. Clean in a way that keeps dust creation to a minimum. Clean area with wet cloth and dispose properly.

**Environmental Precautions:** Avoid letting this material enter water ways or drains.

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**SECTION 7 — HANDLING AND STORAGE**

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**Handling:** Exhaust should be in place when working with this material. If not possible an approved respirator should be worn. Wash hands after touching material. Don't breathe dust or vapor. Wear suitable person protective equipment.

**Store:** In a cool dry place keep sealed.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

An approved NIOSH respirator must be work if exposure limits are excessive.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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Off white powder	Odorless	Specific gravity: N/A
Soluble: N/A	pH: N/A	Melting Point: N/A

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**SECTION 10 — STABILITY AND REACTIVITY**

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**Stability:** Stable if stored or used at proper temperatures should never become unstable.

**Incompatible materials:** Hydrogen Fluoride, strong acids, strong bases, strong oxidizing agents, chlorine trifluoride, ethylene oxide, halogenated hydrocarbon, oxygen difluoride, sodium nitrate, and vinyl compounds.

**Conditions to Avoid:** Incompatible materials should be avoided.

**Hazardous decomposition product:** Not determined

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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**Acute Effects:** Some irritation can be associated with this product. Excessive inhalation is harmful. Also, if in contact with skin or swallowed will be harmful.

**Toxicological Data:** Oral Rat LD50: 1000mg/kg      Dermal Rabbit LD50: 2000mg/kg

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data: N/A

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

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**SECTION 14 — TRANSPORT INFORMATION**

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United States Department of Transportation: Not classified as dangerous for transport.

Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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N/A

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**SECTION 16 — OTHER INFORMATION**

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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.

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