

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Molecular Sieve, Activated

AR9821, AEB-1020, AEB-1021, AEB-3000, AEB-3004, AEB-3005

Alpha Resources, Inc.  
P.O. Box 199  
Stevensville, MI 49127  
Phone: 269-465-5559

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS No	%W	CHEMICAL NAMES	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
1344-01-0	100	Silicic Acid Aluminum Calcium Salt	N/A	N/A

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: May cause irritation.

INHALATION: Irritation of upper respiratory tract. .

INGESTION: Not available.

CHRONIC OVEREXPOSURE: Not known.

ACUTE OVEREXPOSURE: Not known

MEDICAL CONDITIONS AGGRAVATED: Not known.

CARCINOGENICITY: None.

## 4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Seek medical attention if irritation continues.

INHALATION: Removed to fresh air immediately. If necessary, aid with breathing and seek medical help

SKIN: Wash skin with plenty of soap and water.

INGESTION: if large amounts were swallowed, give water to drink and get medical advice.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

EXPLOSION: Contact with moisture or water may generate sufficient heat to ignite combustible materials.

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: None formed.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for surrounding fire. .

**FIREFIGHTING INSTRUCTIONS:** In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

**SMALL/LARGE SPILL:** Wear suitable protective clothing. Carefully sweep up and remove.

## **7. HANDLING AND STORAGE**

Keep container tightly closed. Suitable for any general chemical storage area. Containers of this material may be hazardous when empty since they retain product residues. Observe all warning and precautions listed for the product. .

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered. .

**RESPIRATORY PROTECTION:** For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full face piece positive pressure, air supplied respirator. **WARNING:** Air purifying respirators do not protect workers in oxygen deficient atmospheres.

**SKIN AND HAND PROTECTION:** Protective gloves recommended.

**EYE AND FACE PROTECTION:** Use chemical safety goggles and /or full face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick drench facilities in work area. .

**OTHER PROTECTIVE EQUIPMENT:** none required.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE:** white, gray or tan beads

**BOILING POINT:** N/A

**FREEZE-MELT POINT:** N/A

**VAPOR PRESSURE:** N/A

**VAPOR DENSITY:** N/A

**SOLUBILITY IN WATER:** Negligible.

**SPECIFIC GRAVITY:** 2.10

**pH:** N/A

**ODOR:** None

**PERCENT VOLATILES:** N/A

**EVAPORATION RATE:** N/A

## **10. STABILITY AND REACTIVITY**

**CHEMICAL STABILITY:** Stable.

**INCOMPATIBILITY:** Hydrogen Fluoride, strong acids, alkalis, olefins, water

**HAZARDOUS DECOMPOSITION PRODUCTS:** None.

**HAZARDOUS POLYMERIZATION:** None.

**CONDITIONS TO AVOID:** Moisture

## **11. TOXICOLOGICAL INFORMATION**

None reported.

## **12. ECOLOGICAL INFORMATION**

None available.

## **13. DISPOSAL CONSIDERATION**

Dispose of in accordance with federal, state and local regulations.

## **14. TRANSPORTATION INFORMATION**

USA DOT: Not regulated

## **15. REGULATORY INFORMATION**

### **US FEDERAL REGULATIONS**

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

### **SARA TITLE III:**

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Acute, Chronic

Section 313 Toxic Chemicals: None

### **CANADAIN REGULATIONS**

WHMIS: Not regulated

## **16. OTHER INFORMATION**

Hazard Index: (0-4, 4= Extreme)

Health: 1 Fire: 0 Reactivity: 1

### **SUPPLEMENTAL INFORMATION**

The data and information as stated was furnished by the manufacturer/vendor &/or 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.

Date Prepared: January 14, 2013

Prepared by: Ken Mantei