

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Alumina (N-catalyst)**

AR049, AR049K

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 % |
|-----------|-----------|----------|
| Alumina   | 1344-28-1 | <100     |

As per paragraph (i) of 29 CFR 1910.1200, formulation is considered a trade secret and specific chemical identity and exact percentage of composition may have been withheld. Specific chemical identity and exact percentage composition will be provided to health professionals, employees, or designated representatives in accordance with applicable provision of paragraph (i).

**SECTION 4— FIRST AID MEASURES**

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). 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 persists seek medical attention and bring label.

**If swallowed:** Wash out mouth with water if the person is able to do so. Call a doctor or poison center.

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## SECTION 5 — FIRE FIGHTING MEASURES

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**Appropriate Extinguishing Media:** Use regular dry chemical or water spray.

**Inappropriate Extinguishing Media:** N/A

**Specific Hazards Arising from Chemical:** N/A

**Fire Fighting Instructions:** Evacuate area. Firefighters should use standard protective equipment including self-contained breathing apparatus. Water spray can be a good way to cool fire exposed surfaces and protect personnel.

**When heated might emit toxic fumes.**

**Flash Point:** N/A

**Auto-ignition temperature:** N/A

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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**Personal Precautions:** Use suitable personal protective equipment when cleaning up any spills.

**Clean-up Method:** Collect the material and dispose of according to local, regional, state, and federal regulations. Using damp cloth wipe up spill area. Avoid dust generation.

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## SECTION 7 — HANDLING AND STORAGE

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**Handling:** Avoid any contact with bare skin, clothing, and eyes. Wash all areas after handling material. Proper ventilation is required when using this product.

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

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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**Exposure Limit Values:** Total Dust-OSHA (PEL); 15mg/m<sup>3</sup>      Respirable Fraction-OSHA (PEL); 5mg/m<sup>3</sup>

**Engineering Controls:** Proper ventilation must be available to be certain exposure limits are not exceeded.

**Personal Protection:** Wear a NIOSH applicable certified respirator to limit exposure to materials.

**Hand Protection:** Glove suitability will differ depending on the end use of product.

**Eye protection:** Safety glasses with side shields are necessary if splashing is possible. Eye wash station should be in close proximity to work area. Safety shower should also be nearby.

**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.

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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**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.

Appearance: variable

Odorless

Specific Gravity: 3.6-3.9

Melting Point: 2050°C

Relative Density: 4000g/cm<sup>3</sup>

Vapor Density: N/A

Vapor pressure: N/A

Solubility: Soluble in water

Boiling Point: 2977°C

Flash point: N/A

Auto-Ignition Temperature: N/A

Explosive limits, LEL (vol.%): N/A

Explosive limits, UEL (vol.%): N/A

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## SECTION 10 — STABILITY AND REACTIVITY

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Stable material at normal laboratory conditions.

**Avoid:** Keep away from incompatible materials and moisture.

**Incompatible:** Strong bases and strong acids

**Hazardous Decomposition:** None    **Hazardous Polymerization:** None

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

**Acute toxicity:** no data available

**Skin corrosion/irritation:** no data available

**Serious eye damage/eye irritation:** no data available

**Respiratory or skin sensitization:** no data available

**Germ cell mutagenicity:** no data available

**Carcinogenicity:** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity:** no data available

**Specific target organ toxicity - single exposure:** no data available

**Specific target organ toxicity - repeated exposure:** no data available

**Aspiration hazard:** no data available

### Potential health effects

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

### Signs and Symptoms of Exposure

Cough, chest pain, Difficulty in breathing, gastrointestinal disturbance

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## SECTION 12 — ECOLOGICAL INFORMATION

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**Eco-toxicity Data:** No data

**Mobility in Soil:** No data

**Bio-accumulative Potential:** No data

**Persistence and Degradability:** No data

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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. Do not contaminate any streams, lakes, or ponds.

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## SECTION 14 — TRANSPORT INFORMATION

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Not regulated for land/air/sea transport by DOT/TDG/IMDG/IATA

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**SECTION 15 — REGULATORY INFORMATION**

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**U.S. Regulations:**

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: No

CHRONIC HEALTH: No

FIRE: No

REACTIVE: No

PRESSURE: No

**State Regulations:** California Proposition 65: Not listed.

U.S. TSCA Inventory: Listed

TSCA 12(b), Export Notification: Not listed.

Canadian Regulations: WHMIS Information is not provided for this material

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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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