

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Furnace Reagent

AR 615

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/m3)	ACGIH TLV (mg/m3)
1305-78-8	50	Calcium Oxide	5	2
1332-58-7	50	Kaolin	10	10 (total)

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: Severe irritant, may damage eye tissue. Causes redness, tearing, blurred vision, pain.

SKIN: Irritant.

INHALATION: Inhalation of dust is highly irritating. May cause coughing and sneezing.

INGESTION: Irritation to mouth and burns to mouth and stomach.

CHRONIC OVEREXPOSURE: Inhalation of dust may cause inflammation of the respiratory passages, ulcers of the mucous membranes and possible perforation of nasal septum. .

MEDICAL CONDITIONS AGGRAVATED: People with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the substance.

CARCINOGENICITY: None.

4. FIRST AID MEASURES

EYES: Flush with large amounts of water for at least 15 minutes. Get medical attention if irritation develops.

INHALATION: Removed from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN: Flush with water for at least 15 minutes while removing contaminated clothing. Get medical attention.

INGESTION: CALL A PHYSICIAN. If swallowed, do NOT induce vomiting. If conscious, give large amounts of water. Follow with diluted vinegar, fruit juice or whites of eggs beaten with water.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Non-flammable

Flash Point: Not available

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

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: None identified.

EXTINGUISHING MEDIA: Use extinguishing agent appropriate for surrounding fire, except water.
FIREFIGHTING INSTRUCTIONS: 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: With a clean shovel, carefully place material into a clean dry container and cover; remove from area. Flush spill area with water. Do not generate dust. .

7. HANDLING AND STORAGE

HANDLING: Protect from physical damage.

STORAGE: Keep container tightly closed. Suitable for any general chemical storage area. Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use local exhaust ventilation techniques to meet exposure limits.

RESPIRATORY PROTECTION: NIOSH/MSHA respirator if exposure above the PEL or TLV. At concentrations up to 11 ppm, a dust/moist respirator is recommended. Above this level, a self-contained breathing apparatus is advised.

SKIN AND HAND PROTECTION: Impervious uniform and gloves recommended.

EYE AND FACE PROTECTION: Safety goggles recommended.

OTHER PROTECTIVE EQUIPMENT: Eye wash fountain.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white to gray solid.

BOILING POINT: 5162 F (2850 C)

FREEZE-MELT POINT: 4662 F (2572 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: 1.9

SOLUBILITY IN WATER: Negligible.

SPECIFIC GRAVITY: 3.34

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Water, fluorine, strong acids, moisture and air.

HAZARDOUS DECOMPOSITION PRODUCTS: None identified.

HAZARDOUS POLYMERIZATION: None.

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: Class 8 – Corrosive Material
ID: Calcium Oxide – UNNA: 1910 PG: III
Special Provisions for Transport: Not Available.
Marine Pollutant: No

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: D2A

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 11, 2013
Prepared by: Ken Mantei