



Issued: 12/05/08

**1. Chemical Product and Contact Information**

<b>Product Name:</b>	<b>Alpha or Gamma Alumina Powder</b>	<b>Part Numbers:</b>
		<b>810-776 810-777</b>
<b>LECO Corporation</b>		<b>810-778 810-779</b>
<b>3000 Lakeview</b>		<b>810-780 810-781</b>
<b>St. Joseph, Michigan 49085</b>		<b>810-782 810-783</b>
<b>Information: 269-983-5531</b>		<b>810-784 810-785</b>
<b>Chemtrec: 800-424-9300</b>		<b>810-786 810-787</b>
<b>(Chemtrec Int'l: 703-527-3887)</b>		<b>810-812</b>

**2. Composition/Information on Ingredients**

<u>Component</u>	<u>CAS No.</u>	<u>OSHA PEL (mg/m<sup>3</sup>)</u>	<u>ACGIH TLV (mg/m<sup>3</sup>)</u>	<u>Typical % by Weight</u>
Alumina	1344-28-1	10 (total) 5 (resp)	10 5	> 99.9

**3. Hazard Identification****EMERGENCY OVERVIEW**

No unusual fire or spill hazard, minor irritant health hazard. White odorless powder.

**Potential Health Effects**

EYES: May cause minor eye irritation.

SKIN: May cause drying of skin.

INHALATION: No short-term hazards.

INGESTION: This material is not expected to be an ingestion hazard; no known human or animal effects data.

MEDICAL CONDITIONS AGGRAVATED: Persons with chronic respiratory or dermatological disorders may be at increased risk from exposure.

CHRONIC OVEREXPOSURE: Prolonged exposure may affect lung function.

ACUTE OVEREXPOSURE: Excessive inhalation may cause cough, mucus production, shortness of breath.

CARCINOGENICITY: None.

**P/N: 810-776**

**4. First Aid Measures**

EYES: Rinse eyes with water for 20-30 minutes, retracting eyelids often. Obtain medical attention if pain, blinking, tears or redness persist.  
 SKIN: Not available.  
 INHALATION: Remove victim to fresh air immediately. Obtain medical attention if breathing difficulty persists beyond 15 minutes.  
 INGESTION: Not available.

**5. Fire Fighting Measures**

FLAMMABLE PROPERTIES: Non-flammable.  
 Flash Point: None. Method Used: Not applicable.  
 Flammable Limits (% by Volume in Air):  
 Lower: None. Upper: None.  
 AUTO-IGNITION TEMPERATURE: Not available.  
 HAZARDOUS COMBUSTION PRODUCTS: Not available.  
 EXTINGUISHING MEDIA: Not available.  
 FIREFIGHTING INSTRUCTIONS: Not available.

**6. Accidental Release Measures**

SMALL/LARGE SPILL: Sweep or scoop up material.

**7. Handling and Storage**

HANDLING: Not available.  
 STORAGE: Keep container closed.

**8. Exposure Controls/Personal Protection**

ENGINEERING CONTROLS: Use with adequate ventilation to meet Section 2 exposure limits.  
 RESPIRATORY PROTECTION: Where PEL is exceeded, use NIOSH approved respiratory protection. Selection of appropriate respirator (dust respirator) should be based on the actual or potential airborne contaminants and their concentrations present.  
 SKIN AND HAND PROTECTION: Not available.  
 EYE AND FACE PROTECTION: Safety glasses with side shields.  
 OTHER PROTECTIVE EQUIPMENT: Not available.

**9. Physical and Chemical Properties**

APPEARANCE: White powder.  
BOILING POINT: 5391° F. (2977° C.)  
FREEZE-MELT POINT: 3722° F. (2050° C.)  
VAPOR PRESSURE (mm): 1 mm at 3916° F. (2158° C.)  
VAPOR DENSITY (air = 1): Not applicable.  
SOLUBILITY IN WATER: Insoluble.  
SPECIFIC GRAVITY: 3.98  
pH: Not applicable.  
ODOR: Odorless.  
PERCENT VOLATILES: Not applicable.  
EVAPORATION RATE (Butyl Acetate = 1): Not applicable.

**10. Stability and Reactivity**

CHEMICAL STABILITY (CONDITIONS TO AVOID): Stable.  
INCOMPATIBILITY: Not available.  
HAZARDOUS DECOMPOSITION PRODUCTS: Not available.  
HAZARDOUS POLYMERIZATION: None.

**11. Toxicological Information**

None reported.

**12. Ecological Information**

Not available.

**13. Disposal Consideration**

Disposal should be in accordance with all applicable federal, state & local laws and regulations.  
Disposal by ordinary solid waste methods is recommended, if permissible. Consult appropriate regulatory officials for information regarding disposal requirement.

**14. Transportation Information**

U.S.A. DOT: Not regulated.

**15. Regulatory Information**

U.S. FEDERAL REGULATIONS:

TSCA STATUS: On Toxic Substance Control Inventory.

CERCLA REPORTABLE QUANTITY: None.

SARA TITLE III:

Section 302 Extremely Hazardous Substances:	None.
Section 311/312 Hazardous Categories:	Acute, Chronic.
Section 313 Toxic Chemicals:	Aluminum Oxide (Fibrous Forms only)

RCRA STATUS: Not regulated.

CANADIAN REGULATIONS:

WHMIS: Not regulated.

**16. Other Information**

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

**Health: 1      Fire: 0      Reactivity: 0**

Prepared By:

**Jason Whitt**

*Information herein is given in good faith as authoritative and valid; however, no warranty, expressed or implied can be made.*