



Revised: 11/10/2010

**1. Chemical Product and Contact Information**

<b>Product Name: Alpha, Gamma, or Levigated Alumina</b>	<b>Part Numbers: 810-665</b>
<b>LECO Corporation</b>	<b>810-818</b>
<b>3000 Lakeview</b>	<b>810-819</b>
<b>St. Joseph, Michigan 49085</b>	<b>810-825</b>
<b>Information: 269-983-5531</b>	<b>810-826</b>
<b>Chemtrec: 800-424-9300</b>	<b>810-827</b>
<b>(Chemtrec Int'l: 703-527-3887)</b>	<b>810-832</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>
Aluminum Oxide	1344-28-1	10 (dust)	10	> 20
Mineral and/or Organic Acids	Not estab.	Not estab.	Not estab.	< 0.5
Water				≥75
1,2 Propandiol	57-55-6	Not estab.	Not estab.	Balance

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

No unusual fire or spill hazard. Low health risk by inhalation. White liquid with negligible odor.

**Potential Health Effects**

EYES: May cause eye irritation.

SKIN: Acute overexposure causes skin irritation.

INHALATION: Spray mist or dry dust may cause physical irritation to upper respiratory tract. In dry form this material is a nuisance dust and as such does not produce significant organic disease or toxic effect with reasonable exposures.

INGESTION: No hazard under normal circumstances.

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

CHRONIC OVEREXPOSURE: Prolonged exposure can affect lung functions.

ACUTE OVEREXPOSURE: See above.

CARCINOGENICITY: None.

**P/N: 810-665**

**4. First Aid Measures**

EYES: Flush with water for 15 minutes. Seek medical aid.

SKIN: Wash with soap and water. If irritation occurs, seek medical aid.

INHALATION: Remove to fresh air. Seek medical aid.

INGESTION: Not normal route of exposure. No known effects. Seek medical advice.

**5. Fire Fighting Measures**

FLAMMABLE PROPERTIES: Non-flammable

Flash Point: None.

Method Used: Not applicable.

Flammable Limits:

Lower: None.

Upper: None.

AUTO-IGNITION TEMPERATURE: Not applicable.

HAZARDOUS COMBUSTION PRODUCTS: None.

EXTINGUISHING MEDIA: Water.

FIREFIGHTING INSTRUCTIONS: No special procedures or unusual hazards.

**6. Accidental Release Measures**

SMALL/LARGE SPILL: Flush with water to chemical sewer.

**7. Handling and Storage**

HANDLING: Keep tightly closed.

STORAGE: Avoid direct sunlight during prolonged storage. Keep tightly closed.

**8. Exposure Controls/Personal Protection**

ENGINEERING CONTROLS: Adequate ventilation to reduce levels of air contaminant below that which may cause personal injury or illness.

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator where spray mist may occur.

SKIN AND HAND PROTECTION: Rubber or neoprene gloves.

EYE AND FACE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT: Barrier cream recommended for persons with unusual skin sensitivity.

**9. Physical and Chemical Properties**

APPEARANCE: White liquid.  
BOILING POINT: 212° F (100° C).  
FREEZE-MELT POINT: 32° F (0° C).  
VAPOR PRESSURE (mm): Not applicable  
VAPOR DENSITY (air = 1): Not applicable  
SOLUBILITY IN WATER: Solids: negligible.  
SPECIFIC GRAVITY: 1.2  
pH: Not available.  
ODOR: Negligible.  
PERCENT VOLATILES: Not available.  
EVAPORATION RATE (Butyl Acetate = 1): < 1.0

**10. Stability and Reactivity**

CHEMICAL STABILITY (CONDITIONS TO AVOID): None.  
INCOMPATIBILITY: Incompatible with hot chlorinated rubber.  
HAZARDOUS DECOMPOSITION PRODUCTS: None.  
HAZARDOUS POLYMERIZATION: None.

**11. Toxicological Information**

This specific material has not been tested. Data on a similar material follows:  
Rabbit skin LD<sub>50</sub>: 4 g/kg      Rat oral LD<sub>50</sub>: 20g/kg  
Rabbit skin irritation index: 0.2      Rabbit eye irritation index: 6  
(max. of 6.0)      (max. of 110)  
Inhalation: Rats survived exposure to a concentration of 83 mg/l for one hour.

**12. Ecological Information**

Not available.

**13. Disposal Consideration**

Comply with local, state and federal regulations.

**14. Transportation Information**

U.S.A. DOT: Not available.

**15. Regulatory Information**U.S. FEDERAL REGULATIONS:

TSCA STATUS: On Toxic Substances Control Act Inventory.

CERCLA REPORTABLE QUANTITY: Not available.

## SARA TITLE III:

Section 302 Extremely Hazardous Substances: Not available.

Section 311/312 Hazardous Categories: Chronic.

Section 313 Toxic Chemicals: Aluminum Oxide  
(Fibrous Forms only)

RCRA STATUS: Not available.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: Classified D2B.

**16. Other Information****Hazard Index: (0 - 4, 4 = Extreme) for Propandiol****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.*