

4674 Priem Lane #402 • Pflugerville, TX 78660

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Common Name	Phone	Date
ACTIVATED ALUMINA	Emergency: 412-553-4001 Chemtrec: 800-424-9300 Technical: 412-553-4649	Rev Orig 92-11-02

Prepared by the Hazardous Materials Control Committee.

SECTION I. Material Description

Chemical Name & Formula: Activated Aluminum oxide; $Al_2O_3 \cdot xH_2O$ + proprietary modifier

Other Designation: None

CAS No.: Aluminum Oxide (1333-84-2)

Manufacturer: Alcoa, Vidalia Works, NC-63, Box 4, Vidalia, LA 71373

Product Use: Adsorbent

SECTION II. Ingredients and Occupational Exposure Limits

Ingredient	TWA in mg/m ³	
	ACGIH TLV	OSHA PEL
Aluminum Oxide	Alumina	
Proprietary Modifier	dust 10 (Total)	10 (Total) 5 (Respir.)

SECTION III. Physical Data

Physical Form: Crystalline or gelatinous granules, pellets, or powder

Boiling Temperature: Not applicable

Freeze-Melt Temperature: 3700°F (2038°C)

Vapor Pressure: Not applicable

Vapor Density (air=1): Not applicable

Evaporation Rate: Not applicable

Specific Gravity: 3.2

Density: Loose bulk: 44-52 lb/ft³ (0.7-0.83 g/cm³)

Water Solubility: Insoluble; soluble in concentrated acids and alkalis

pH: ~10 (20% slurry solution)

Color: Off-white

Odor: None

Odor Threshold: Not applicable

Coefficient of water/oil distribution: Not applicable

SECTION IV. Fire and Explosion Data

Flashpoint:	Auto-Ignition Temp.:	Flammability Limits in Air: Upper: Lower:
None	Not applicable	Not applicable

Product is non-flammable. Not an explosion hazard.

SECTION V. Reactivity Data

With water: Generates heat

With air: None

With heat: None

With strong oxidizers: None

Non-corrosive

SECTION VI. Health Hazard Information (See Section II for exposure limits.)

Alumina is a low health risk by inhalation. Treat as a nuisance dust as specified by the American Conference of Governmental Industrial Hygienists (ACGIH).

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The desiccant properties of this product may cause irritation to the eyes and upper respiratory tract.

FIRST AID:

Eye contact - Flush eyes with plenty of water for at least 15 minutes. Call a physician if irritation persists.

SECTION VII. Spill, Leak & Disposal Procedures

Use dry cleanup procedures; avoid dusting. Collect in containers or bags. If reuse or recycling is not possible, material may be disposed of at a sanitary landfill.

RCRA Hazardous Waste No. Not Federally Regulated

SECTION VIII. Special Protection Information

Use with adequate ventilation to meet exposure limits as listed in Section II. Where the exposure limit is or may be exceeded, use NIOSH approved respiratory protection. Select the appropriate respirator (dust respirator) based on the actual or potential airborne contaminants and their concentrations present.

Take appropriate precautionary measures to prevent possible skin or eye irritation.

SECTION IX. Special Precautions & Comments

Components of this product are listed on the TSCA inventory (USA), the Domestic Substances List (Canada), and the EINECS core inventory (EC market). For TSCA and WHMIS inventory reporting purposes, CAS No. 1344-28-1 was assigned for aluminum hydroxide and activated alumina products instead of the CAS number indicated in Section I.

This is not a controlled product under Canada's WHMIS regulations.

For purposes of SARA III reporting, this substance contains no ingredients listed on the Extremely Hazardous or Section 313 Lists. For purposes of CERCLA reporting, this substance contains no listed ingredients.

This material fits the EPA Hazard Category definition of Immediate (Acute) Health Hazard under SARA Sections 311, 312.

D.O.T. Shipping Name, Hazard Class, I.D. No. (if applicable) Not Regulated
Canadian TDG Hazard Class & PIN: Not regulated

SECTION X. References

American Industrial Hygiene Association (AIHA) Hygienic Guide Series (Revised June 1978)

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