

DESICCANT

This section contains Material Safety Data Sheets for:

CCN# 38004784

CCN# 38004792

CCN# 38004933

CCN# 38004818

CCN# 38004826

CCN# 38004834

ACTIVATED ALUMINAS F - 200



MATERIAL SAFETY SHEET

Effective Date: 1/10/00

1.) PRODUCT IDENTIFICATION:

- **Product Name:** Activated Aluminas
 - **Other Designations:** Active bed supports, CG-20, CPAs series, CPN, CSS series, DD-2, DD-410, DD-420, DD-422, DD-431, DD-440, DD-450, DD-460, DD-470, DD-6, DD-PG, F-200, HF-200, HPX, LD-5, LD-350, PSD-350, RC-400, RF-200, S-100, S-400, S-431, SRU and TG-431.
 - **Emergency Information:** USA: Chemtrec: +1-703-527-3887 +1-800-424-9300
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2.) COMPOSITION/DATA ON COMPONENTS:

- **CAS No:** Component 1333-84-2 Aluminum oxide (nonfibrous) <97%
EINECS: 215-691-6
 - **Additional information:** Loss on ignition 4.0-7.0%
*1333-84-2 (See Section 15)
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3.) HAZARD IDENTIFICATION:

No Unusual fire or spill hazard. Dust may be irritating to eyes and upper respiratory tract. Off-white crystalline or gelatinous granules, pellets, or powder.

Potential Health Effects

Eyes: May cause irritation due to desiccant properties.

Skin: None.

Inhalation: May cause irritation of upper respiratory tract due to desiccant properties.

This product contains silicates at <1% by weight. Silicates include metal silicates, amorphous and crystalline silica. No analytical method exists to detect and differentiate between amorphous and crystalline silica and other silicates at <1% by weight. Based on the chemistry of bauxite-derived products, crystalline silica is not expected to be present in this product.

Alumina is a low health risk by inhalation and should be treated as an nuisance dust as specified by the American Conference of Governmental Industrial Hygienists (ACGIH).

4.) First Aid Measures.

Eyes: Flush eyes with plenty of water for at least 15 minutes. If irritation persists, consult a physician.

Skin: Wash with soap and warm water. If irritation develops, consult a physician.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

5.) Firefighting measures.

• Suitable extinguishing agents

Use fire fighting measures that suit the environment.

• Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

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6.) Accidental release measures.

- **Person-related safety precautions:**
Wear protective clothing.
 - **Measures for environmental protection:**
No special measures required.
 - **Measures for cleaning/collecting:**
Cleanup using dry procedures; avoid dusting.
 - **Additional information:**
No dangerous substances are released.
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7.) Handling and storage.

- **Handling**
 - **Information for safe handling:**
Ensure good ventilation/exhaust at the workplace.
Prevent formation of dust.
Provide suction extractors if dust is formed.
 - **Information about protection against explosions and fires:**
No special measures required.
 - **Storage**
 - **Requirements to be met by storerooms and receptacles:**
Keep material dry.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.
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8.) Exposure controls and personal protection.

- **Additional information about design of technical systems:**
No further data; see item 7.

Components with limit values that require monitoring at the workplace:

1333-84-2 Aluminum oxide (nonfibrous)

OSHA: 15 total, 5 respirable mg/m³

TLV: 10 mg/m³

- **Personal protective equipment**
 - **General protective and hygienic measures**
Do not inhale dust.
Avoid contact with the eyes.
 - **Breathing equipment:**
Use suitable respiratory protective device in case of insufficient ventilation.
Short-term filter device:
Filter NIOSH 95
 - **Protection of hands:** Impervious gloves.
 - **Eye protection:** Safety glasses.
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9.) Physical and chemical properties.

- **Form:** Crystalline powder, Gelatinous, Balls, Granules, Pellets
- **Color:** Whitish
- **Oder:** Characteristic
- **Change in condition**

Value/Range Unit Method

Melting point/Melting range: 2038 °C/3700 °F

Boiling point/Boiling range: Undetermined

Flashpoint: Not applicable

Autoigniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Density: at 20 °C 0.62-0.83 g/cm³ 0.022-0.030 lb/in³

10.) Stability and Reactivity

Chemical Stability (Conditions to avoid): Avoid water.
Incompatibility: None.
Hazardous Decomposition Products: None.
Hazardous Polymerization: None.
Generates heat with water.
Non-corrosive

11.) Toxicological Information

No LD₅₀ or LC₅₀ found for oral, dermal or inhalation routes of administration.

12.) Ecological Information

Ecotoxicological/Chemical fate information:
Not available.

13.) Disposal Consideration

Collect in containers, bags, or covered dumpster boxes. If reuse or recycling is not possible, material may be disposed of at a sanitary landfill.
TCLP data are available.

RCRA Hazardous Waste No.: Not federally regulated.

14.) Transport Information

Not regulated by U.S.A. DOT.
Canadian TDG Hazard Class & PIN - Not regulated.

15.) Regulatory Information

For 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 2.

This material does not contain nor was it manufactured using ozone-depleting chemicals.

U.S. Federal Regulations:
TSCA Status: On Toxic Substances Control Act Inventory.
CERCLA Reportable Quantity: None.

16.) Prepared by: Ingersoll-Rand Company

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