



# Aluminum Oxide Fluoride Removal SAFETY DATA SHEET

Crystal Quest® Manufacturing  
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Phone: 800-934-0051

## 1. Ingredients

**Alumina, activated** CAS# 1333-84-2 (90 - 100%)  
**Silicon Dioxide** (0 – 10%)

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

## 2. Physical/Chemical Data

**Boiling Point:** N/A  
**Vapor Pressure (MM HG):** N/A  
**Evaporation Rate (water=1):** 1  
**Appearance:** Off-white, Crystalline or Gelatinous Granules  
**Odor:** No odor  
**Specific Gravity:** 3.2 (water=1)  
**Melting Point:** N/A  
**Water Solubility:** Insoluble  
**Vapor Density:** N/A

Toxicity	0
Fire	0
Reactivity	0
Special	N/A

0=Negligible 1=Slight 2=Moderate 3=High 4=Extreme

## 3. Fire and Explosion Hazard

**Unusual Fire Hazards:** None  
**Unusual Explosion Hazards:** None  
**Extinguishing Media:** N/A  
**Special Fire Fighting Procedures:** N/A

#### 4. Reactivity Data

**Stability:** Stable  
**Storage:** Store in a Cool Dry Place

#### 5. Health Hazards

**Emergency First Aid Procedures:**  
Contact with eyes and skin can cause irritation.

**Skin Absorption:**  
Skin absorption is unlikely due to the product's physical properties.

**Inhalation:**  
Vapors are unlikely due to the product's physical properties.

**Systemic and Other Effects:**  
No specific data is available; however, repeated exposures are not anticipated to cause any adverse effects.

**Carcinogenicity:**  
N/A

**SARA (Title 3, sections 311 and 312):**  
All ingredients are non-hazardous

#### 6. First Aid

**Eyes:**  
Irrigate immediately with water for at least 5 minutes. Mechanical irritation only.

**Skin:**  
No adverse effects anticipated by this route of exposure.

**Ingestion:**  
No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

**Inhalation:**  
No adverse effects anticipated by this route of exposure.

#### 7. Control Measures

**Respiratory Protection:**  
Not required for normal uses; if irritation occurs from breathing, seek fresh air.

**Eye Protection:**  
Splash Goggles

**Ventilation:**  
Normal

**Protective Gloves:**  
Not Required

## 8. Safe Handling Procedures

### In Case of Spills:

Sweep up material and transfer to containers. Use caution; the floor will be slippery.

### Disposal Method:

Bury resin in licensed landfill or burn in approved incinerator according to local, state and federal regulations. For resin contaminated with hazardous material, dispose of mixture as hazardous material according to local, state and federal regulations.

## 9. Additional Information

### Special Precautions to be Taken in Handling and Storage:

Practice reasonable care and caution. Metal equipment should be compatible with feed, regenerant, resin form and effluent of that process.

### TSCA Considerations:

Every different salt or ionic form of an ion-exchange resin is a separate chemical. If you use an ion-exchange resin for ion-exchange purposes and then remove the by-product resin from its vessel or container prior to recovery of the original or another form of the resin or of another chemical, the by-product resin must be listed on the TSCA Inventory (unless an exemption is applicable). It is the responsibility of the customer to ensure that such isolated, recycled by-product resins are in compliance with the TSCA. Failure to comply could result in substantial civil or criminal penalties being assessed by the Environmental Protection Agency (EPA).

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## 10. Regulatory Information (Not meant to be all-inclusive—selected regulations represented)

### Canadian WHMIS Information:

This product is not a "Controlled Product" under WHMIS

### Canadian TDG Information:

Not Regulated

### California Proposition 65:

To the best of our knowledge, this product does not contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm.

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