Material Safety Data Sheet

Section 1 - Product and Company Information

- Product Name: MOLECULAR SIEVES, 4A, BEADS, 4-8 MESH
- Product Number: 208590
- Brand: Aldrich Chemical
- Company: Sigma-Aldrich
- Street Address: 3050 Spruce Street
- City, State, Zip, Country: St. Louis, MO, 63103, US
- Technical Phone: 314 771 5765
- Fax: 800 325 5052
- Emergency Phone: 414 273 3850 Ext.5996

Section 2 - Composition/Information on Ingredient

- Substance Name: MOLECULAR SIEVE UOP TYPE 4A 1/8"-RODS
  - CAS #: 70955-01-0
  - SARA 313: No

Section 3 - Hazards Identification

Emergency Overview
Irritant.
Irritating to eyes, respiratory system, and skin.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
If inhaled, remove to fresh air.

Dermal Exposure
Flush skin with water.

Eye Exposure
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Section 5 - Fire Fighting Measures

- Autoignition Temp: N/A
- Flammability: N/A

Extinguishing Media
- Suitable: Noncombustible. Use extinguishing media appropriate to surrounding fire conditions.
Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Exposure Hazard(s)
Material
Irritating dust.

Section 6 - Accidental Release Measures

Procedure(s) of Personal Precaution(s)
Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Do not breathe dust. Avoid contact with eyes, skin, and clothing.

Storage
Suitable
Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
Wear dust mask.

Hand
Compatible chemical-resistant gloves.

Eye
Chemical safety goggles.

General Hygiene Measures
Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

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<td>Molecular Weight</td>
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<td>Autoignition Temp</td>
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<tr>
<td>Solubility</td>
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</table>

Section 10 - Stability and Reactivity

Stability

Materials to Avoid
Hydrogen fluoride, Strong acids, Strong bases.

Hazardous Decomposition Products
Hazardous Decomposition Products
Nature of decomposition products not known.

Section 11 - Toxicological Information

Route of Exposure

Inhalation
May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

Ingestion
May be harmful if swallowed.

Multiple Routes
Causes eye and skin irritation.

RTECS Number:

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Bury in a landfill site approved for the disposal of chemical and hazardous wastes.
Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: None
Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA
Proper Shipping Name: None
Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

US Classification and Label Text

Indication of Danger
Irritant.

Risk Statements
Irritating to eyes, respiratory system, and skin.
Safety Statements
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

United States Regulatory Information
SARA 313 Listed: No

Section 16 - Other Information

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 1999 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.