



# SIGMA-ALDRICH

## Material Safety Data Sheet

Date Printed: 06/17/2000  
Date Updated: 10/28/1999  
Version 1.0

### Section 1 - Product and Company Information

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

### Section 2 - Composition/Information on Ingredient

<b>Substance Name</b>	<b>CAS #</b>	<b>SARA 313</b>
MOLECULAR SIEVE UOP TYPE 4A 1/8"-RODS	70955-01-0	No
<b>Formula</b>		
<b>Synonyms</b>		

### 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

<b>Autoignition Temp:</b>	N/A	<b>Flammability:</b>	N/A
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#### 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.

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**Section 6 - Accidental Release Measures**

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**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.

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**Section 7 - Handling and Storage**

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**Handling****User Exposure**

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

**Storage****Suitable**

Keep tightly closed.

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**Section 8 - Exposure Controls / PPE**

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**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.

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**Section 9 - Physical/Chemical Properties**

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Molecular Weight: N/A

<u>Property</u>	<u>Value</u>
pH	N/A
BP/BP Range	N/A
MP/MP Range	N/A
Freezing Point	N/A
Vapor Pressure	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
SG/Density	N/A
Bulk Density	N/A
Odor Threshold	N/A
Volatile%	N/A
VOC Content	N/A

Water Content	N/A
Solvent Content	N/A
Evaporation Rate	N/A
Viscosity	N/A
Partition Coefficient	N/A
Decomposition Temp.	N/A
Flash Point °F	N/A
Flash Point °C	N/A
Explosion Limits	N/A
Autoignition Temp	N/A
Solubility	N/A

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## Section 10 - Stability and Reactivity

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### Stability

#### Materials to Avoid

Hydrogen fluoride, Strong acids, Strong bases.

### Hazardous Decomposition Products

#### Hazardous Decomposition Products

Nature of decomposition products not known.

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## Section 11 - Toxicological Information

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### 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:

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## Section 12 - Ecological Information

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## Section 13 - Disposal Considerations

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### 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.

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## Section 14 - Transport Information

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### 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.

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## Section 15 - Regulatory Information

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### 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

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**Section 16 - Other Information**

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**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.