

**■ SIGNAL WORD: WARNING** H335: May cause respiratory irritation (dust). Generates heat on contact with water.

**SECTION 1: IDENTIFICATION**

<b>Product Name</b>	Molecular Sieve Beads 3A
<b>CAS Number</b>	1318-02-1
<b>Synonyms</b>	Zeolite 3A; Potassium Aluminosilicate; Molecular Sieve Type 3A
<b>Product Use</b>	Desiccant; selective drying of alcohols, polar solvents, and reactive gases; adsorption of water only (excludes larger molecules)
<b>Restrictions</b>	For professional/industrial use only.
<b>Supplier</b>	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
<b>Phone</b>	877-710-1965
<b>Email</b>	Sales@canna-gas.com
<b>Emergency Phone</b>	CHEMTREC: 1-800-424-9300 (24-hour)
<b>SDS Revision Date</b>	March 2026

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS Classification</b>	STOT SE Category 3 (H335 — respiratory irritation from dust)
<b>Signal Word</b>	<b>WARNING</b>
<b>Hazard Statements</b>	H335: May cause respiratory irritation.
<b>Precautionary – Prevention</b>	P260: Do not breathe dust. P271: Use in well-ventilated area. P280: Wear protective equipment.
<b>Precautionary – Response</b>	P304+340: IF INHALED — remove to fresh air. P312: Call physician if unwell.
<b>Precautionary – Storage</b>	P405: Store in sealed, dry containers. Keep away from water and moisture.
<b>Precautionary – Disposal</b>	P501: Dispose in accordance with local/regional/national regulations.
<b>Other Hazards</b>	GENERATES HEAT on contact with water — exothermic hydration. Pore size (3 Å) selectively adsorbs water only — does not adsorb ethanol, methanol, or most larger molecules.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Concentration	EC Number
Potassium Aluminosilicate (Zeolite 3A)	1318-02-1	≥95%	215-283-8
Clay binder (typical)	1302-78-9	<5%	215-108-5

Zeolite 3A has the smallest pore size of the standard molecular sieves. Selectively adsorbs only molecules ≤3 Å (primarily water). Preferred for drying ethanol, propanol, and other alcohols.

**SECTION 4: FIRST-AID MEASURES**

<b>Inhalation</b>	Remove to fresh air. Seek medical attention if irritation persists.
<b>Skin Contact</b>	Wash with soap and water.
<b>Eye Contact</b>	Rinse with water for at least 15 minutes.
<b>Ingestion</b>	Call physician. Do not induce vomiting.
<b>Key Symptoms</b>	Respiratory/eye irritation from dust.

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media</b>	Water, CO2, dry chemical.
<b>Specific Hazards</b>	Non-combustible.
<b>Protective Equipment</b>	Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.
<b>Flash Point</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Flammable Limits (LEL/UEL)</b>	Not applicable

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Dust mask, safety glasses, gloves.
<b>Environmental Precautions</b>	Do not allow to enter drains, sewers, surface or ground water.
<b>Containment &amp; Cleanup</b>	Sweep or vacuum. Transfer to sealed containers.

**SECTION 7: HANDLING AND STORAGE**

<b>Safe Handling</b>	Keep dry. Avoid dust. Wear PPE. Allow to cool before sealing.
<b>Safe Storage</b>	Sealed containers in cool, dry area. Protect from moisture.
<b>Incompatibles</b>	Water/moisture (exothermic). Strong acids and bases.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Component	Limit Type	Value	Authority
Synthetic Aluminosilicate (dust)	TWA (inhalable)	10 mg/m3	ACGIH (PNOC)
Synthetic Aluminosilicate (dust)	TWA (respirable)	3 mg/m3	ACGIH (PNOC)

<b>Engineering Controls</b>	Local exhaust ventilation where dust generated.
<b>Eye/Face Protection</b>	Safety glasses.
<b>Hand Protection</b>	Appropriate protective gloves.
<b>Body Protection</b>	Lab coat or overalls.
<b>Respiratory Protection</b>	N95 dust respirator where dust generated.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	White/grey beads or pellets	<b>Bulk Density</b>	~0.60–0.75 g/mL
<b>Odor</b>	Odorless	<b>Solubility</b>	Insoluble in water
<b>Pore Size</b>	3 Å (0.3 nm) — adsorbs water only	<b>Vapor Pressure</b>	Not applicable (solid)
<b>pH (slurry)</b>	~9–11 (alkaline)	<b>Melting Point</b>	>800°C
<b>Flammability</b>	Non-flammable	<b>Thermal Note</b>	Exothermic on water contact
<b>Flash Point</b>	Not applicable	<b>VOC Content</b>	None

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Exothermic with water.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Conditions to Avoid</b>	Moisture, water, strong acids, strong bases.

<b>Incompatible Materials</b>	Water/moisture (exothermic). Strong acids and bases.
<b>Hazardous Decomp. Products</b>	No hazardous decomposition products.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Routes of Exposure</b>	Inhalation (dust), skin, eye contact.
<b>Acute Toxicity</b>	Low acute toxicity expected.
<b>Skin/Eye Effects</b>	Mechanical/alkaline irritation.
<b>Respiratory Effects</b>	H335 — respiratory irritation from dust.
<b>Carcinogenicity</b>	Not classified as carcinogenic.
<b>STOT – Single Exp.</b>	STOT SE Cat 3 — H335.
<b>STOT – Repeated Exp.</b>	No specific data.
<b>Reproductive Toxicity</b>	Not classified.
<b>Chronic Effects</b>	No specific chronic effects.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Low environmental risk expected.
<b>Persistence/Degradability</b>	Stable inorganic mineral.
<b>Bioaccumulative Potential</b>	Not bioaccumulative.
<b>Mobility in Soil</b>	No specific data.
<b>Other Adverse Effects</b>	Avoid release to environment.

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>Disposal Methods</b>	Solid waste disposal per applicable regulations.
<b>Contaminated Packaging</b>	Dispose in accordance with applicable regulations.

**SECTION 14: TRANSPORT INFORMATION**

	<b>DOT (USA)</b>	<b>IATA (Air)</b>	<b>IMDG (Sea)</b>
UN Number	Not regulated	Not regulated	Not regulated
Proper Ship. Name	Not regulated	Not regulated	Not regulated
Hazard Class	N/A	N/A	N/A
Packing Group	N/A	N/A	N/A

**SECTION 15: REGULATORY INFORMATION**

<b>OSHA HazCom</b>	Dust nuisance hazard per OSHA.
<b>SARA 311/312</b>	Acute Health: Yes   Chronic Health: No   Fire: No   Reactivity: No
<b>CERCLA</b>	No reportable quantity.
<b>TSCA</b>	All components listed on US TSCA Inventory.
<b>California Prop. 65</b>	Not listed.
<b>Canadian DSL</b>	All components listed on Canadian DSL Inventory.

**SECTION 16: OTHER INFORMATION**

<b>Issue Date</b>	March 2026
<b>Version</b>	1.0
<b>Prepared By</b>	Cannagas Supply
<b>Key Sources</b>	GHS Purple Book Rev. 9; OSHA HazCom 2012; NIST SDS data.

**DISCLAIMER:** The information in this Safety Data Sheet is believed to be accurate and represents the best information currently available to Cannagas Supply. This SDS is provided in good faith without warranty of any kind. Users are responsible for determining suitability of this product for their specific application and for compliance with all applicable laws and regulations.