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

SECTION 1: IDENTIFICATION

Product Name	Molecular Sieve Beads 10A
CAS Number	63231-69-6
Synonyms	Zeolite 10A; 13X Zeolite; Synthetic Aluminosilicate; Molecular Sieve Type 13X
Product Use	Desiccant; gas purification; drying of liquids and gases; chromatography support
Restrictions	For professional/industrial use only.
Supplier	Cannagas Supply 97 Turnpike Rd, Westborough, MA 01581
Phone	877-710-1965
Email	Sales@canna-gas.com
Emergency Phone	CHEMTREC: 1-800-424-9300 (24-hour)
SDS Revision Date	March 2026

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	STOT SE Category 3 (H335 — respiratory irritation from dust)
Signal Word	**WARNING**
Hazard Statements	H335: May cause respiratory irritation.
Precautionary – Prevention	P260: Do not breathe dust. P271: Use only in well-ventilated area. P280: Wear protective equipment.
Precautionary – Response	P304+340: IF INHALED — remove to fresh air. P312: Call physician if unwell.
Precautionary – Storage	P405: Store in sealed, dry containers. Keep away from water and moisture.
Precautionary – Disposal	P501: Dispose in accordance with local/regional/national regulations.
Other Hazards	GENERATES HEAT on contact with water — exothermic hydration. Freshly activated sieves may cause thermal burns on contact with moisture-laden skin or breath. Allow to cool before sealing containers after use.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Synthetic Aluminosilicate (Zeolite 13X/10A)	63231-69-6	≥95%	N/A
Bentonite clay binder (typical)	1302-78-9	<5%	215-108-5

Synthetic zeolite with 10 Å pore size. No quartz/crystalline silica classification. All components on TSCA Inventory.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention if irritation persists.
Skin Contact	Wash with soap and water. If thermal burn from hot/freshly activated sieve — treat as burn injury; seek medical attention.
Eye Contact	Rinse with water for at least 15 minutes. Seek medical attention.
Ingestion	Call physician. Do not induce vomiting.
Key Symptoms	Respiratory and eye irritation from dust. Thermal burn risk from heat of hydration on freshly activated material.

This SDS is provided for informational purposes. Always verify data for your specific application.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water, CO2, dry chemical. Product not flammable — use agent suitable for surrounding fire.
Specific Hazards	Non-combustible. No explosion sensitivity to mechanical impact or static discharge.
Protective Equipment	Self-contained breathing apparatus (SCBA) and full protective gear for structural firefighters.
Flash Point	Not applicable
Autoignition Temperature	Not applicable
Flammable Limits (LEL/UEL)	Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Dust mask, safety glasses, gloves.
Environmental Precautions	Do not allow to enter drains, sewers, surface or ground water.
Containment & Cleanup	Sweep or vacuum carefully. Avoid generating dust. Transfer to sealed containers.

SECTION 7: HANDLING AND STORAGE

Safe Handling	Avoid dust generation. Keep dry — moisture causes exothermic reaction and reduces performance. Allow to cool before sealing after use. Wear PPE.
Safe Storage	Store in tightly sealed containers. Keep away from water, moisture, acids, and bases. Store in cool, dry area.
Incompatibles	Water/moisture (exothermic reaction). 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)

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	White/grey beads or pellets	**Bulk Density**	~0.60–0.75 g/mL
Odor	Odorless	**Solubility**	Insoluble in water
Pore Size	~10 Å (1.0 nm)	**Vapor Pressure**	Not applicable (solid)
pH (slurry)	~10–11 (alkaline)	**Melting Point**	>1,000°C
Flammability	Non-flammable	**Thermal Note**	Exothermic on water contact
Flash Point	Not applicable	**VOC Content**	None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Exothermic reaction with water — generates significant heat.

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Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Moisture, water, strong acids, strong bases.
Incompatible Materials	Water/moisture (exothermic reaction). Strong acids and bases.
Hazardous Decomp. Products	No hazardous decomposition products under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation (dust), skin contact, eye contact.
Acute Toxicity	Low acute toxicity expected based on inorganic aluminosilicate composition.
Skin/Eye Effects	Mechanical irritation from dust. Alkaline pH may cause irritation. Thermal burn risk from heat of hydration.
Respiratory Effects	Dust inhalation may cause respiratory irritation (STOT SE Cat 3).
Carcinogenicity	Not classified as carcinogenic. Zeolite A not listed by IARC, NTP, or OSHA.
STOT – Single Exp.	STOT SE Cat 3 — H335: May cause respiratory irritation.
STOT – Repeated Exp.	No specific data.
Reproductive Toxicity	Not classified.
Chronic Effects	No specific chronic effects identified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No specific ecotoxicity data. Inorganic mineral — low environmental risk expected.
Persistence/Degradability	Not biodegradable. Chemically stable inorganic material.
Bioaccumulative Potential	Not bioaccumulative.
Mobility in Soil	No specific data.
Other Adverse Effects	Avoid release to environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	Dispose as solid waste per applicable regulations. Spent molecular sieves can be regenerated.
Contaminated Packaging	Dispose in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

	DOT (USA)	IATA (Air)	IMDG (Sea)
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

OSHA HazCom	Dust may constitute nuisance dust per OSHA standards.
SARA 311/312	Acute Health: Yes | Chronic Health: No | Fire: No | Reactivity: No
CERCLA	No reportable quantity.

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TSCA	All components listed on US TSCA Inventory.
California Prop. 65	Not listed.
Canadian DSL	All components listed on Canadian DSL Inventory.

SECTION 16: OTHER INFORMATION

Issue Date	March 2026
Version	1.0
Prepared By	Cannagas Supply
Key Sources	NIST RM 8851 SDS (Zeolite A); GHS Purple Book Rev. 9; OSHA HazCom 2012.

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.