

■ **NOT CLASSIFIED AS HAZARDOUS** under OSHA HazCom 2012 (29 CFR 1910.1200) / GHS criteria.  
This SDS is provided as a courtesy. Exercise standard safe handling precautions for fine dusts.

### SECTION 1: IDENTIFICATION

<b>Product Name</b>	Silica Gel 60A
<b>CAS Number</b>	7631-86-9
<b>Synonyms</b>	Silica, Amorphous; Amorphous Silicon Dioxide; Silicic Acid; SiO <sub>2</sub> ; Chromatography Silica
<b>Product Use</b>	Chromatography media; desiccant; adsorbent for purification and filtration processes
<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>	Not classified as hazardous per OSHA HazCom 2012 (29 CFR 1910.1200).
<b>Signal Word</b>	None required
<b>Hazard Statements</b>	None required under GHS classification criteria.
<b>Precautionary Stmtms</b>	P261: Avoid breathing dust. P264: Wash thoroughly after handling. P271: Use in well-ventilated area. P280: Wear eye protection and dust mask when dust is generated.
<b>Other Hazards</b>	Dust inhalation may cause mechanical irritation to eyes, nose, throat, and respiratory tract. Symptoms may include coughing, sore throat, and wheezing. Prolonged excessive dust inhalation may cause lung irritation. <b>IMPORTANT:</b> This product contains amorphous silica (CAS 7631-86-9), which is IARC Group 3 (not classifiable as carcinogenic). Distinguish from crystalline silica (quartz/cristobalite), which is IARC Group 1 — this product does not contain respirable crystalline silica in hazardous quantities.
<b>HMIS® Ratings</b>	Health: 1   Flammability: 0   Physical Hazard: 0

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Silica, Amorphous (SiO <sub>2</sub> )	7631-86-9	99.5–100% (w/w)	231-545-4

Amorphous silicon dioxide. CAS 7631-86-9 (amorphous silica — not classified as carcinogenic). EINECS: 231-545-4. Molecular formula: SiO<sub>2</sub>. MW: 60.08 g/mol.

### SECTION 4: FIRST-AID MEASURES

<b>Inhalation</b>	Remove to fresh air. If irritation or breathing difficulty persists, seek medical attention.
<b>Skin Contact</b>	Wash exposed area thoroughly with soap and water. Seek medical advice if irritation develops.
<b>Eye Contact</b>	Flush immediately with large amounts of water for at least 15 minutes, lifting upper and lower eyelids. Seek medical attention if irritation persists.
<b>Ingestion</b>	If large amounts ingested, give several glasses of water to drink to dilute. Seek medical advice.
<b>Key Symptoms</b>	Mechanical irritation to eyes, nose, throat, and respiratory tract from dust. No systemic toxicity expected.

**Medical Note** Treat symptomatically. Inform medical personnel of substance involved.

### SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Use any extinguishing media appropriate for surrounding fire. Product is not combustible.
<b>Unsuitable Extinguishing Media</b>	No restrictions known.
<b>Specific Hazards</b>	Not considered a fire or explosion hazard. Non-combustible solid.
<b>Protective Equipment</b>	Self-contained breathing apparatus (SCBA) and full protective clothing for fires in confined spaces or involving chemicals.
<b>Additional Guidance</b>	Use protective clothing and breathing apparatus appropriate for the surrounding fire.
<b>Flash Point</b>	Not applicable (solid)
<b>Flammable Limits</b>	Not applicable

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Wear dust mask/respirator and safety goggles. Avoid generating dust.
<b>Environmental Precautions</b>	Prevent material from entering drains, sewers, or waterways. Report significant releases per local regulations.
<b>Containment &amp; Cleanup</b>	Allow dust to settle. Vacuum or carefully sweep up material and place into a suitable sealed disposal container. Avoid dry sweeping which generates dust clouds.
<b>Waste Disposal</b>	Dispose in accordance with Section 13 and all applicable regulations.

### SECTION 7: HANDLING AND STORAGE

<b>Safe Handling</b>	Keep in tightly closed container when not in use. Avoid generating and breathing dust. Minimize dust accumulation. Wash hands thoroughly after handling. Use in well-ventilated area.
<b>Safe Storage</b>	Store in a cool, dry, well-ventilated area in tightly closed containers. Protect from moisture. Avoid accumulation of static charge.
<b>Incompatibles</b>	Hydrogen fluoride (HF), strong bases, alkali metal hydroxides. Reacts with most metallic oxides at high temperature.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Agency / Component	Type	Value
OSHA PEL (amorphous silica)	TWA (total dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub>
ACGIH TLV (amorphous silica)	TWA inhalable	10 mg/m <sup>3</sup>
ACGIH TLV (amorphous silica)	TWA respirable	3 mg/m <sup>3</sup>
NIOSH (amorphous silica)	TWA	6 mg/m <sup>3</sup> (respirable)

<b>Engineering Controls</b>	Local exhaust ventilation where dust is generated. General ventilation adequate for normal use. Provide eyewash station.
<b>Eye/Face Protection</b>	Safety goggles or glasses with side shields where dust exposure is possible.
<b>Hand Protection</b>	General work gloves. If handling fine powders in bulk, wear close-weave cotton gloves with tight-fitting wristlets.
<b>Body Protection</b>	Normal work clothing. Long sleeves recommended to minimize skin contact with dust.
<b>Respiratory Protection</b>	NIOSH-approved dust respirator (minimum N95) when dust concentrations may exceed OELs. Not required for normal low-dust operations.

**Hygiene** Wash hands and exposed skin thoroughly after handling. Do not eat, drink, or smoke in work areas.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Dry, white to off-white powder	<b>Vapor Pressure</b>	Not applicable (solid)
<b>Odor</b>	Odorless	<b>Vapor Density</b>	Not applicable
<b>pH</b>	2.5–8.3 (aqueous slurry)	<b>Specific Gravity</b>	2.20 g/cm <sup>3</sup>
<b>Melting Point</b>	2,912°F (1,600°C)	<b>Solubility in Water</b>	Insoluble (slight solubility in hot alkali solutions)
<b>Boiling Point</b>	4,046°F (2,230°C)	<b>Particle Size</b>	Typically 40–63 μm (60A grade); confirm with supplier
<b>Flash Point</b>	Not applicable (non-combustible solid)	<b>Pore Size</b>	~60 Å (6 nm) — defines "60A" designation
<b>Flammability</b>	Not flammable	<b>Molecular Formula</b>	SiO <sub>2</sub> / 60.08 g/mol

**SECTION 10: STABILITY AND REACTIVITY**

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Conditions to Avoid</b>	Moisture, strong acids (especially HF), strong bases, static charge buildup.
<b>Incompatible Materials</b>	Hydrogen fluoride (HF), strong bases, alkali metal hydroxides. Reacts with most metallic oxides at high temperature.
<b>Hazardous Decomp. Products</b>	None known under normal conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Routes of Exposure</b>	Inhalation (primary), skin contact, eye contact, ingestion.
<b>Acute Toxicity</b>	No LD50/LC50 data for normal routes of occupational exposure. Low acute toxicity expected.
<b>Skin/Eye Effects</b>	Dust causes mechanical irritation. No corrosive or sensitizing effects expected.
<b>Carcinogenicity</b>	Amorphous silica (CAS 7631-86-9): IARC Group 3 — not classifiable as carcinogenic. NOT the same as crystalline silica (quartz), which is IARC Group 1.
<b>Chronic Effects</b>	Prolonged inhalation of high dust concentrations may cause lung irritation. Follow dust control practices.
<b>Mutagenicity</b>	No evidence of mutagenic or genotoxic effects.

**SECTION 12: ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	Not classified as environmentally hazardous under GHS criteria. No adverse environmental effects expected under normal use.
<b>Persistence/Degradability</b>	Inorganic mineral — not biodegradable. Chemically stable in the environment.
<b>Bioaccumulative Potential</b>	Not bioaccumulative.
<b>Mobility in Soil</b>	Low mobility — insoluble solid that does not leach readily.
<b>Other Adverse Effects</b>	None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Disposal Methods** Unused material is suitable for disposal in a licensed sanitary landfill per applicable regulations. Used material (after chromatography) may be subject to additional regulations depending on contaminants absorbed — characterize waste before disposal.

**Contaminated Packaging** Empty containers may retain product residue. Take to an approved waste handling site for recycling or disposal.

**Waste Code** Determine in consultation with user, producer, and licensed waste disposal company per 40 CFR 261. Unused product is not considered a RCRA hazardous waste.

**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
Marine Pollutant	No	N/A	No

**SECTION 15: REGULATORY INFORMATION**

<b>OSHA HazCom</b>	Not classified as hazardous per 29 CFR 1910.1200. SDS provided as a courtesy.
<b>SARA 311/312</b>	SARA 311/312: Not applicable — not classified as hazardous.
<b>SARA 313 (TRI)</b>	Not regulated.
<b>CERCLA</b>	Not listed.
<b>TSCA</b>	Listed on TSCA Inventory (active). No Section 12(b) export notification required.
<b>California Prop. 65</b>	This product does not contain crystalline silica (quartz) at hazardous levels. Amorphous silica (this product) is not listed under Prop. 65.
<b>State RTK</b>	EINECS: 231-545-4 listed. Check applicable state lists for amorphous silica.
<b>International</b>	Listed on applicable international chemical inventories. Contact Cannagas Supply for details.

**SECTION 16: OTHER INFORMATION**

<b>Issue Date</b>	March 2026
<b>Revision 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; Teledyne Isco SDS (Chromatography Silica Gel, 2017); ACGIH TLVs; NIOSH Pocket Guide.
<b>H-Phrase Text</b>	Not applicable — product not classified as hazardous under GHS.

**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 the suitability of this product for their specific application and for compliance with all applicable laws and regulations. This document is not a specification sheet.