■ SIGNAL WORD: DANGER

H350: May cause cancer (inhalation of crystalline silica dust).
H372: Causes damage to organs through prolonged or repeated exposure.

SECTION 1: IDENTIFICATION

Product Name	Strainer 1 (S1)
CAS Number	12174-11-7
Synonyms	Natural Clay; Mixed Clay; Attapulgite; Chromatography Filtration Media
Product Use	Chromatography filtration media
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	Carcinogenicity – Category 1 Specific Target Organ Toxicity – Repeated Exposure – Category 1 (Inhalation)
Signal Word	**DANGER**
Hazard Statements	H350: May cause cancer (by inhalation). H372: Causes damage to organs (respiratory system/lungs) through prolonged or repeated exposure by inhalation.
Precautionary – Prevention	P201: Obtain special instructions before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe dust/fume/mist/vapours. P264: Wash skin thoroughly after handling. P270: Do not eat, drink, or smoke when using this product. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary – Response	P308+313: IF exposed or concerned: Get medical advice/attention. P314: Get medical advice/attention if you feel unwell.
Precautionary – Storage	P405: Store locked up.
Precautionary – Disposal	P501: Dispose of contents/container in accordance with local/regional/national/international regulations.
HMIS® Ratings	Health: 1 | Flammability: 0 | Physical Hazard: 0
Other Hazards	Dust may cause mechanical eye irritation. Contains crystalline silica (quartz) at 55–65% (w/w) — a documented cancer hazard by inhalation.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Natural Clay / Mixed Clay / Attapulgite (base matrix)	12174-11-7	Balance	N/A
Crystalline Silica (Quartz) — HAZARDOUS	14808-60-7	55–65% (w/w)	238-878-4

Exact concentrations are withheld as trade secret per 29 CFR 1910.1200(i). All components are listed on the US TSCA Inventory.

SECTION 4: FIRST-AID MEASURES

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

Inhalation	Remove to fresh air immediately. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek immediate medical attention. Inform physician of crystalline silica exposure.
Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing and launder before reuse. Seek medical attention if irritation develops and persists.
Eye Contact	Open eyes while under gentle running water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	If swallowed, call physician or poison control center. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Take a copy of the SDS to the health professional.
Key Symptoms	Dust may cause mechanical eye and respiratory irritation. Chronic inhalation of crystalline silica dust may cause silicosis (irreversible lung disease), lung cancer, and other serious respiratory conditions.
Medical Note	Treat symptoms and reduce over-exposure. Pre-existing respiratory conditions may be aggravated.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water, dry powder/dry sand, alcohol-resistant foam, dry chemical, or CO2.
Specific Hazards	Product is noncombustible. Not sensitive to mechanical impact or static discharge.
Protective Equipment	Structural firefighters must wear SCBA and full protective equipment.
Flash Point	Not applicable (non-combustible solid)
Flammable Limits	Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate respiratory protection (minimum N95), safety glasses, and gloves. Avoid generating dust.
Environmental Precautions	Do not allow to enter drains, sewers, surface water, or ground water.
Containment & Cleanup	Sweep or vacuum carefully — avoid dust clouds. Transfer to a secondary container for proper disposal or reuse.

SECTION 7: HANDLING AND STORAGE

Safe Handling	Do not eat, drink, or smoke when using. Wash hands thoroughly before breaks and at end of workday. Avoid dust formation. Provide sufficient air exchange and/or exhaust ventilation. Wear PPE — see Section 8.
Safe Storage	Keep only in original container. Keep containers tightly closed in a cool, well-ventilated place. Store locked up per P405.
Specific Use	Adsorbent; filter aid; chromatography filtration media.
Incompatibles	No specific incompatibilities identified.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component / Authority	Limit Type	Value
Silica (Quartz) — ACGIH TLV	TWA (respirable)	0.025 mg/m3
Silica (Quartz) — OSHA PEL	TWA (respirable)	0.05 mg/m3
Silica (Quartz) — NIOSH REL	TWA (respirable)	0.05 mg/m3
Silica (Quartz) — NIOSH IDLH	IDLH	50 mg/m3

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Engineering Controls	Adequate ventilation. Local exhaust ventilation to control airborne dust. Eyewash and safety shower stations nearby.
Eye/Face Protection	Safety glasses required. Chemical splash goggles recommended.
Hand Protection	Protective gloves (nitrile or similar).
Body Protection	Lab coat or overalls.
Respiratory Protection	CRITICAL: Maintain crystalline silica below OELs. Minimum: N95 particulate respirator. For higher exposures: half-face or full-face air-purifying respirator with P100 filters, or SCBA.
Hygiene	Do not eat, drink, or smoke when handling. Wash hands and face thoroughly after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid (granules)	**Specific Gravity**	Not applicable
Color/Appearance	Beige granules	**Density**	0.60–0.75 g/cm3
Odor	Odorless	**Solubility**	Insoluble in water
pH	5.5–7.0	**Melting Point**	Not applicable
Flash Point	Not applicable	**Boiling Point**	Not applicable
Flammability	Not applicable (non-combustible)	**VOC Content**	Not applicable
Vapor Pressure	Not applicable	**Explosive Props.**	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No data available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Avoid dust generation.
Incompatible Materials	No data available.
Hazardous Decomp. Products	No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation (primary), skin contact, eye contact, ingestion.
Acute Toxicity	No specific toxicity data available for this product.
Skin/Eye Effects	Dust may cause mechanical irritation to eyes, nose, and throat. Not a skin sensitizer.
Respiratory Effects	Dust inhalation causes mechanical irritation. CRITICAL: Chronic inhalation of respirable crystalline silica causes silicosis — an irreversible, progressive, potentially fatal lung disease.
Carcinogenicity	DANGER: Contains crystalline silica (quartz, CAS 14808-60-7) at 55–65% (w/w). IARC Group 1 — Carcinogenic to humans (by inhalation). NTP: Known human carcinogen. OSHA: Regulated carcinogen.
STOT – Repeated Exp.	GHS Category 1 (H372): Causes damage to lungs/respiratory system through prolonged or repeated inhalation. Silicosis, COPD, and increased lung cancer risk documented.
Germ Cell Mutagenicity	Not documented as a germ cell mutagen.
Reproductive Toxicity	Not documented as a reproductive hazard.
Chronic Effects	Silicosis: progressive fibrotic lung disease from cumulative crystalline silica inhalation.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No specific ecotoxicity data. No adverse environmental effects expected under normal use.

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Persistence/Degradability	Not biodegradable. Chemically stable inorganic material.
Bioaccumulative Potential	Not bioaccumulative.
Mobility in Soil	No specific data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	Unused material is suitable for disposal in a licensed sanitary landfill. Used/spent material may be subject to local regulations. Consult state and local regulations regarding proper disposal.
Contaminated Packaging	Dispose in accordance with applicable federal, state, and local 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
Marine Pollutant	No	N/A	No

SECTION 15: REGULATORY INFORMATION

OSHA HazCom	Classified as a Hazardous Chemical per 29 CFR 1910.1200. Contains a regulated carcinogen (crystalline silica/quartz).
SARA 311/312	Acute Health: Yes | Chronic Health: Yes | Fire: No | Reactivity: No
SARA 313 (TRI)	Not subject to SARA Section 302, 304, or 313 reporting requirements.
CERCLA	No CERCLA reportable quantity (RQ) applies.
TSCA	All components listed on US TSCA Inventory.
California Prop. 65	WARNING: This product can expose you to Quartz (crystalline silica), known to cause cancer. See www.P65Warnings.ca.gov.
Clean Water Act	No components listed as Hazardous Substances under the CWA.
Canadian DSL	All components listed on Canadian DSL Inventory.

SECTION 16: OTHER INFORMATION

Issue Date	March 2026
Revision Date	March 2026
Version	1.0
Prepared By	Cannagas Supply
Key Sources	Media Bros LLC SDS — CRX Filter Media (October 2024); GHS Purple Book (Rev. 9); OSHA HazCom 2012 (29 CFR 1910.1200); IARC Monograph Vol. 100C; NIOSH Hazard Review; ACGIH TLVs.
H-Phrase Text	H350: May cause cancer. H372: Causes damage to organs through prolonged or repeated exposure.
HMIS / NFPA	Health: 1 | Flammability: 0 | Physical Hazard: 0

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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 for their specific application and compliance with all applicable laws and regulations. This product contains crystalline silica — a known human carcinogen by inhalation. Always use appropriate respiratory protection and dust control measures.