

■ SIGNAL WORD: WARNING H335: May cause respiratory irritation (dust inhalation). pH neutral — lower irritation risk vs T-41.

SECTION 1: IDENTIFICATION

Product Name	T-5
CAS Number	1302-78-9 (Bentonite / Calcium Bentonite)
Synonyms	Activated Bentonite Clay; Thermally Activated Calcium Bentonite; Neutral Bleaching Clay
Product Use	Chromatography filtration media; color removal, heavy metal remediation, oil purification
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 inhalation)
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, keep comfortable for breathing.
Precautionary – Storage	Store in sealed containers in a cool, dry place.
Precautionary – Disposal	P501: Dispose in accordance with local/regional/national regulations.
Other Hazards	None beyond classified dust hazard.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Calcium Bentonite (thermally activated)	1302-78-9	≥95%	215-108-5

Thermally activated (heat-treated) calcium bentonite clay. Natural UVCB substance. pH = 7 (neutral). All components below GHS cut-off levels except dust classification.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Skin Contact	Wash with soap and water. Seek attention if irritation persists.
Eye Contact	Rinse with water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion	Call physician. Do NOT induce vomiting.
Key Symptoms	Dust causes mechanical eye and respiratory irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water, dry chemical, CO2.
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Specific Hazards	Non-flammable. Not sensitive 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. Avoid dust generation. Transfer to suitable containers.

SECTION 7: HANDLING AND STORAGE

Safe Handling	Avoid dust formation. Adequate ventilation. Wear PPE. Wash hands after use.
Safe Storage	Keep tightly sealed in a cool, dry area. Protect from moisture.
Incompatibles	None known.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Limit Type	Value	Authority
Bentonite dust (inhalable)	TWA	10 mg/m3	ACGIH / NEPSI
Bentonite dust (respirable)	TWA	3 mg/m3	NEPSI
Nuisance dust (PNOC)	TWA	10 mg/m3	ACGIH

Engineering Controls	Local exhaust ventilation. Eyewash station nearby.
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	Beige to off-white powder	Bulk Density	~0.5–0.8 g/mL
Odor	Odorless	Solubility	Insoluble in water
pH	≈7.0 (neutral)	Vapor Pressure	Not applicable (solid)
Particle Size	5–200 µm	Melting Point	Not applicable
Flammability	Non-flammable	Boiling Point	Not applicable
Flash Point	Not applicable	VOC Content	None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No specific data.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Will not occur.
Conditions to Avoid	Avoid moisture — reduces performance.

Incompatible Materials	None known.
Hazardous Decomp. Products	No hazardous decomposition products under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation (dust), skin contact, eye contact, ingestion.
Acute Toxicity	No specific acute toxicity data.
Skin/Eye Effects	Mechanical irritation from dust to eyes. Skin irritation possible with prolonged contact.
Respiratory Effects	Dust inhalation may cause respiratory irritation (STOT SE Cat 3).
Carcinogenicity	Not classified as carcinogenic. Not listed on IARC, NTP, OSHA carcinogen lists.
STOT – Single Exp.	STOT SE Category 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. Natural clay mineral — low environmental risk.
Persistence/Degradability	Not biodegradable. Chemically stable.
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 local and federal regulations.
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 a nuisance dust hazard per OSHA standards.
SARA 311/312	Acute Health: No Chronic Health: No Fire: No Reactivity: No
CERCLA	No reportable quantity.
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	Carbon Chemistry T-5 product documentation; 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.