■ SIGNAL WORD: WARNING

H335: May cause respiratory irritation (dust inhalation). Low pH (2.2–3.5) — skin and eye irritant on prolonged contact.

SECTION 1: IDENTIFICATION

Product Name	T-41
CAS Number	Mixture (UVCB) — Bentonite acid-leached: 1302-78-9; Activated Carbon: 7440-44-0
Synonyms	Acid-Activated Bleaching Clay with Carbon; T-41 Activated Clay; Acid Bleaching Clay
Product Use	Chromatography filtration media; adsorbent for color remediation, oil purification, and distillation prep
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). Note: acidic pH (2.2–3.5) poses skin/eye irritation risk on contact.
Signal Word	**WARNING**
Hazard Statements	H335: May cause respiratory irritation.
Precautionary – Prevention	P260: Do not breathe dust. P264: Wash skin thoroughly after handling. 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. P312: Call physician if unwell.
Precautionary – Storage	P405: Store locked up.
Precautionary – Disposal	P501: Dispose in accordance with local/regional/national regulations.
Other Hazards	ACIDIC pH (2.2–3.5): prolonged skin/eye contact may cause irritation. Do not ingest — harmful if swallowed due to acidity. Activated carbon component may deplete oxygen in closed containers.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Concentration	EC Number
Bentonite clay, acid-leached (UVCB)	1302-78-9	~90% (est.)	215-108-5
Activated Carbon	7440-44-0	~10%	231-153-3

Exact concentrations are proprietary. UVCB substance — composition may vary by batch. All components below GHS cut-off levels for hazard classification except dust/pH hazard.

SECTION 4: FIRST-AID MEASURES

Inhalation	Remove to fresh air. If breathing difficult, seek medical attention.
Skin Contact	Wash thoroughly with soap and water. Remove contaminated clothing. Seek attention if irritation persists. Note acidic pH — flush well with water.
Eye Contact	Open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

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

Ingestion	Do NOT induce vomiting. Call physician. Do not give milk or water to unconscious persons.
Key Symptoms	Dust causes mechanical eye and respiratory irritation. Acidic pH may cause chemical irritation on prolonged contact.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water, dry powder, dry sand, CO2, alcohol-resistant foam.
Specific Hazards	Not flammable. Activated carbon component: do not store in sealed containers — may deplete oxygen. 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 (solid)
Autoignition Temperature	Not applicable
Flammable Limits (LEL/UEL)	Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Dust mask/respirator, safety glasses, gloves. Avoid dust generation.
Environmental Precautions	Do not allow to enter drains, sewers, surface or ground water.
Containment & Cleanup	Sweep or vacuum — avoid dust. Do not wash into drains (acidic). Transfer to suitable containers.

SECTION 7: HANDLING AND STORAGE

Safe Handling	Avoid dust formation. Adequate ventilation. Wear PPE. Wash hands after use. Keep away from oxidizing agents. Note: activated carbon in closed containers may reduce oxygen — ensure ventilation.
Safe Storage	Keep containers closed. Store in cool, dry, ventilated area. Avoid oxidizing agents.
Incompatibles	Oxidizing agents. Avoid storing with materials sensitive to dust or acid.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Limit Type	Value	Authority
Bentonite dust (inhalable)	TWA	10 mg/m3	NEPSI / ACGIH
Bentonite dust (respirable)	TWA	3 mg/m3	NEPSI
Activated Carbon	TWA	3.5 mg/m3 (PNOC)	ACGIH

Engineering Controls	Local exhaust ventilation. Eyewash station nearby.
Eye/Face Protection	Safety glasses; goggles where dust/splash possible.
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

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Physical State	Dark grey powder	**Solubility**	<0.9 g/L in water at 20°C
Odor	Odorless	**Vapor Pressure**	Not applicable (solid)
pH	2.2–3.5 (acidic — use caution)	**Melting Point**	Not applicable
Density (bulk)	250–750 kg/m3	**Boiling Point**	Not applicable
Flammability	Not flammable	**Evaporation Rate**	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 water contact — forms slippery/greasy surface layer. Keep away from oxidizers.
Incompatible Materials	Oxidizing agents. Avoid storing with materials sensitive to dust or acid.
Hazardous Decomp. Products	No hazardous decomposition products under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation (dust), skin contact (acid pH), eye contact (acid pH), ingestion.
Acute Toxicity	No specific acute toxicity data for mixture.
Skin/Eye Effects	Dust causes mechanical eye irritation. Acidic pH may cause chemical skin/eye irritation on prolonged contact.
Respiratory Effects	Dust inhalation causes respiratory irritation (STOT SE Cat 3).
Carcinogenicity	Ingredients are not found on FEDERAL OSHA Z LIST, NTP, IARC, or CAL/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 for this mixture.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	No specific ecotoxicity data.
Persistence/Degradability	Not biodegradable. Chemically stable inorganic/carbon mixture.
Bioaccumulative Potential	Not bioaccumulative.
Mobility in Soil	No specific data.
Other Adverse Effects	Avoid release to environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods	Can be disposed as solid waste in a suitable licensed installation. Avoid dust dispersion. Where possible recycling is preferred.
Contaminated Packaging	Dispose in accordance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

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

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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	Not classified as a Hazardous Chemical per 29 CFR 1910.1200 by mixture criteria. However, dust and acidic pH warrant precautionary handling.
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	This product does not contain chemicals on the Prop 65 list (per Carbon Chemistry SDS).
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-41 SDS (2018); 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.