

**■ SIGNAL WORD: DANGER**      **H225** Highly flammable liquid and vapor.  
**H319** Causes serious eye irritation.

**SECTION 1: IDENTIFICATION**

<b>Product Name</b>	200 Proof Food Grade Ethanol
<b>CAS Number</b>	64-17-5
<b>Synonyms</b>	Ethyl Alcohol 100%; Anhydrous Ethanol; Grain Alcohol
<b>Product Use</b>	Food-grade industrial solvent; general purpose solvent
<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>	Flammable Liquids – Category 2 Eye Irritation – Category 2A
<b>Signal Word</b>	<b>DANGER</b>
<b>Hazard Statements</b>	H225: Highly flammable liquid and vapor. H319: Causes serious eye irritation.
<b>Precautionary – Prevention</b>	P210: Keep away from heat, sparks, open flames, hot surfaces. No smoking. P233: Keep container tightly closed. P241: Use explosion-proof electrical/ventilating/lighting equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge. P264: Wash hands thoroughly after handling. P280: Wear protective gloves/eye protection/face protection.
<b>Precautionary – Response</b>	P303+361+353: IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse skin with water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. P337+313: If eye irritation persists, seek medical advice. P370+378: In case of fire: Use appropriate extinguishing media (see Section 5).
<b>Precautionary – Storage</b>	P403+235: Store in a well-ventilated place. Keep cool.
<b>Precautionary – Disposal</b>	P501: Dispose of contents/container per local/regional/national regulations.
<b>HMIS® Ratings</b>	Health: 2   Flammability: 3   Physical Hazard: 0

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Concentration	EC Number
Ethyl Alcohol (Ethanol)	64-17-5	100% (w/w)	200-578-6

All concentrations are in percent by weight. This product contains no denaturants — it is undenatured food-grade ethanol.

**SECTION 4: FIRST-AID MEASURES**

<b>Inhalation</b>	Move person to fresh air. If symptoms develop or persist, call a physician.
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<b>Skin Contact</b>	Remove contaminated clothing immediately. Rinse skin thoroughly with water. Seek medical attention if irritation develops or persists.
<b>Eye Contact</b>	Flush eyes immediately with large amounts of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth with water. Seek medical attention if symptoms occur. Do NOT induce vomiting unless directed by medical personnel.
<b>Key Symptoms</b>	Headache, dizziness, nausea (inhalation). Severe eye irritation — stinging, tearing, redness, swelling, blurred vision.
<b>Medical Note</b>	Treat symptomatically. Inform medical personnel of substance involved. Symptoms may be delayed.

### SECTION 5: FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Alcohol-resistant foam, dry chemical powder, carbon dioxide (CO <sub>2</sub> ), water fog.
<b>Unsuitable Extinguishing Media</b>	Do not use a direct water jet — this will spread the fire.
<b>Specific Hazards</b>	Highly flammable liquid and vapor. Vapors can form explosive mixtures with air. Vapors may travel to distant ignition sources and flash back. Combustion produces carbon oxides.
<b>Protective Equipment</b>	Self-contained breathing apparatus (SCBA) and full protective clothing required when fighting fires involving this product.
<b>Additional Guidance</b>	Move containers from fire area if safe to do so. Use water spray to cool fire-exposed containers. Do not breathe combustion fumes.
<b>Flash Point</b>	55°F (12.8°C) – Closed Cup
<b>Auto-Ignition Temperature</b>	685°F (362.8°C)
<b>Flammable Limits (LEL/UEL)</b>	3.3% / 19.0% in air

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Keep unnecessary personnel away. Stay upwind of spill/leak. Eliminate all ignition sources (no smoking, sparks, or flames). Wear appropriate PPE (see Section 8). Ventilate closed spaces before entry.
<b>Environmental Precautions</b>	Avoid discharge into drains, waterways, or onto the ground. Notify local authorities if significant spill cannot be contained.
<b>Small Spills</b>	Absorb with earth, sand, or other non-combustible material. Transfer to containers for disposal. Wipe up with absorbent material. Clean surface thoroughly.
<b>Large Spills</b>	Stop flow if safe. Dike spilled material where possible. Use non-combustible material (vermiculite, sand, earth) to soak up product. Place in container for disposal. Flush area with water after recovery.
<b>Important</b>	Never return spills to original containers. Take precautionary measures against static discharge. Use only non-sparking tools.

### SECTION 7: HANDLING AND STORAGE

<b>Safe Handling</b>	Do not handle near open flames, heat sources, or ignition sources. Use explosion-proof ventilation and equipment. Ground and bond containers when transferring. Use non-sparking tools. Avoid contact with eyes. Do not smoke when using. Observe good industrial hygiene practices.
<b>Safe Storage</b>	Store in a cool, dry, well-ventilated place away from direct sunlight and heat sources. Keep container tightly closed. Store in area equipped with sprinklers. Keep away from incompatible materials (see Section 10). Use approved, properly labeled containers.
<b>Incompatibles</b>	Strong oxidizing agents, strong acids, alkali metals, peroxides, ammonia, hydrazine, calcium hypochlorite.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

Agency	Type	Value
OSHA (29 CFR 1910.1000)	PEL (TWA)	1000 ppm / 1900 mg/m3
ACGIH TLV	STEL	1000 ppm
NIOSH	TWA	1000 ppm / 1900 mg/m3

**Engineering Controls** Explosion-proof general and local exhaust ventilation. Provide eyewash station and safety shower. Use process enclosures where necessary to maintain airborne levels below OELs.

**Eye/Face Protection** Chemical splash goggles. Face shield when splash risk is elevated.

**Hand Protection** Chemical-resistant gloves: nitrile, butyl rubber, or neoprene recommended. Change gloves frequently — liquid may penetrate over time.

**Body Protection** Wear appropriate chemical-resistant clothing.

**Respiratory Protection** If engineering controls do not maintain levels below OELs, wear an approved air-purifying respirator (organic vapor cartridge). Use SCBA in confined spaces or high-concentration situations.

**Hygiene** Do not eat, drink, or smoke when using this product. Wash hands thoroughly after handling. Routinely wash work clothing and PPE.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Liquid	<b>Flammability</b>	Highly flammable liquid and vapor
<b>Color</b>	Clear, colorless	<b>LEL / UEL</b>	3.3% / 19.0%
<b>Odor</b>	Characteristic sweet, alcohol-like	<b>Vapor Pressure</b>	59.5 hPa at 68°F (20°C)
<b>Odor Threshold</b>	Not determined	<b>Vapor Density</b>	1.6 (air = 1)
<b>pH</b>	Not applicable (neutral)	<b>Specific Gravity</b>	0.785 g/mL at 77°F (25°C)
<b>Boiling Point</b>	173°F (78.3°C)	<b>Solubility in Water</b>	Completely miscible
<b>Flash Point</b>	55°F (12.8°C) Closed Cup	<b>Auto-ignition Temp.</b>	685°F (362.8°C)
<b>Evaporation Rate</b>	Evaporates rapidly (faster than butyl acetate)	<b>Molecular Formula / MW</b>	C <sub>2</sub> H <sub>6</sub> O / 46.07 g/mol

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** Stable under normal conditions of use, storage, and transport.

**Chemical Stability** Stable under recommended storage conditions.

**Hazardous Polymerization** Will not occur.

**Conditions to Avoid** Heat, open flames, sparks, hot surfaces, temperatures exceeding flash point, static discharges, contact with incompatible materials.

**Incompatible Materials** Strong oxidizing agents, strong acids, alkali metals, peroxides, hydrazine, ammonia, calcium hypochlorite, acid anhydrides, chromyl chloride.

**Hazardous Decomp. Products** No hazardous decomposition products are known under normal conditions. Fire/thermal decomposition may produce carbon oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Routes of Exposure** Inhalation, skin contact, eye contact, ingestion.

**Acute Toxicity – Oral** Rat LD50: 10,470 mg/kg (low acute oral toxicity)

<b>Acute Toxicity – Inhale</b>	Rat LC50: 117–125 mg/L / 4 hours (vapor)
<b>Skin Corrosion/Irritation</b>	Prolonged skin contact may cause temporary irritation. Not expected to cause significant adverse effects from brief contact.
<b>Eye Damage/Irritation</b>	Causes serious eye irritation (Category 2A). Symptoms: stinging, tearing, redness, swelling, blurred vision.
<b>Respiratory Sensitization</b>	Not a respiratory sensitizer.
<b>Skin Sensitization</b>	Not expected to cause skin sensitization.
<b>Germ Cell Mutagenicity</b>	No data indicating mutagenic or genotoxic effects at >0.1% concentration.
<b>Carcinogenicity</b>	Not classifiable as a human carcinogen. Not listed by IARC, NTP, or OSHA as a carcinogen.
<b>Reproductive Toxicity</b>	Possible reproductive hazard — consult current literature.
<b>Chronic Effects</b>	Prolonged or repeated inhalation of vapors may be harmful. Practice adequate ventilation.

### SECTION 12: ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not classified as environmentally hazardous. Large or frequent spills may have harmful effects on the environment.
<b>Aquatic Toxicity – Fish</b>	LC50 freshwater fish: 11,200 mg/L / 24 hrs; NOEC: 250 mg/L
<b>Aquatic – Invertebrate</b>	EC50 freshwater invertebrate: 5,012 mg/L / 48 hrs
<b>Aquatic – Algae</b>	EC50 freshwater algae: 275 mg/L / 72 hrs
<b>Persistence/Degradability</b>	Readily biodegradable under aerobic conditions.
<b>Bioaccumulative Potential</b>	Low bioaccumulation potential.
<b>Mobility in Soil</b>	Highly mobile in soil. Completely miscible with water.
<b>Other Adverse Effects</b>	No significant ozone depletion, photochemical ozone creation, or global warming potential expected.

### SECTION 13: DISPOSAL CONSIDERATIONS

<b>Disposal Methods</b>	Collect and reclaim, or incinerate in a licensed facility under controlled conditions. Do not incinerate sealed containers. Dispose in accordance with all applicable local, regional, national, and international regulations.
<b>Contaminated Packaging</b>	Empty containers may retain product residue. Follow label warnings even after emptying. Take to an approved waste handling site for recycling or disposal.
<b>Hazardous Waste Code</b>	Determine in consultation between user, producer, and licensed waste disposal company.

### SECTION 14: TRANSPORT INFORMATION

	<b>DOT (USA)</b>	<b>IATA (Air)</b>	<b>IMDG (Sea)</b>
<b>UN Number</b>	UN1170	UN1170	UN1170
<b>Proper Shipping Name</b>	Ethanol	Ethanol	ETHANOL
<b>Hazard Class</b>	3	3	3
<b>Packing Group</b>	II	II	II
<b>Label</b>	3	3	3
<b>Marine Pollutant</b>	No	N/A	No
<b>ERG Code</b>	3L	3L	F-E, S-D

Special provisions (DOT): 24, IB2, T4, TP1. Packaging exceptions: 4b, 150. Non-bulk packaging: 202. Bulk packaging: 242.

### SECTION 15: REGULATORY INFORMATION

<b>OSHA HazCom</b>	Classified as a Hazardous Chemical per 29 CFR 1910.1200.
<b>SARA 311/312</b>	Yes — Flammable liquid; Serious eye damage/irritation.
<b>SARA 313 (TRI)</b>	Not regulated.
<b>CERCLA (40 CFR 302.4)</b>	Not listed.
<b>TSCA</b>	Listed on TSCA Inventory (active). No Section 12(b) export notification required.
<b>California Prop. 65</b>	Not known to contain chemicals listed as carcinogens or reproductive toxins under Prop. 65 (non-alcoholic-beverage use).
<b>FDA / GRAS</b>	Ethyl alcohol is GRAS as a food additive per 21 CFR 184.1293.
<b>State RTK</b>	Listed in Massachusetts, New Jersey, Pennsylvania, and Rhode Island Right-to-Know substance lists.
<b>International Inventories</b>	Listed on: TSCA (USA), AICS (Australia), DSL (Canada), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan).

### 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 (29 CFR 1910.1200); ACGIH TLVs; NIOSH Pocket Guide; Greenfield Global SDS (Ethyl Alcohol 200 Proof, 2018).
<b>H-Phrase Full Text</b>	H225: Highly flammable liquid and vapor. H319: Causes serious eye irritation.

**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.