



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Trade name: Ethyl Alcohol 190 Proof Organic Cane
Other identifiers: Ethyl Alcohol, 190 Proof from Organic Sugarcane; ethanol solution; CAS 64-17-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Professional and industrial use as a solvent or ingredient where legally permitted.
Uses advised against: Not for beverage or human consumption unless separately manufactured, approved, labeled and distributed for that purpose. Subject to alcohol regulation.

1.3 Details of the supplier of the Safety Data Sheet

USA Lab Inc.
12400 Belden Ct., Livonia,
MI 48150,
USA
Phone: 734-855-4890

Hazard emergency contact: Chemtrec 800-424-9300 (United States/Canada)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Flammable liquid, category 2
Serious eye irritation, category 2A

2.2 Label elements

Labelling according to OSHA Hazardous Communication Standard 29 CFR 1910.1200:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor.
H319 Causes serious eye irritation.



Precautionary statements:

Prevention: Keep away from heat, sparks, flames and hot surfaces. No smoking. Keep container tightly closed. Ground and bond container and transfer equipment. Use explosion-proof equipment and non-sparking tools. Take action to prevent static discharge. Wash thoroughly after handling. Wear protective gloves, protective clothing and eye/face protection.

Response: IF ON SKIN (or hair): Remove contaminated clothing and rinse skin with water/shower. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, obtain medical attention. In case of fire: use alcohol-resistant foam, dry chemical, carbon dioxide or water fog to extinguish.

Storage: Store in a cool, well-ventilated place. Keep container tightly closed.

Disposal: Dispose of contents/container in accordance with applicable federal, state and local requirements.

2.3 Other hazards

Flammable vapor can accumulate in container and system headspaces.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture meeting the criteria for classification in accordance with OSHA Hazardous Communication Standard 29 CFR 1910.1200.

Ingredients:

Name	CAS No.	GHS classification	% (w/w)
Ethanol	64-17-5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319	92.3 – 94.6
Water	7732-18-5	Not classified	5.4 – 7.7

Organic identity: Organic sugarcane origin is a sourcing/certification attribute, not a GHS hazard classification. Confirm current organic certificate and chain-of-custody documentation for each shipment.

Note: This is an undenatured ethanol/water composition. Do not substitute an SDA or denatured-alcohol SDS.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Following inhalation:	Move to fresh air. If symptoms persist, obtain medical attention.
Following skin contact:	Remove contaminated clothing and rinse skin with water. Wash clothing before reuse. Obtain medical attention if irritation persists.
Following eye contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Following ingestion:	Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious person. Obtain medical advice if unwell.
Protection of first aider:	Not applicable.



4.2 Most important symptoms and effects

Symptoms: Serious eye irritation with redness, pain, tearing or blurred vision. High exposure can cause headache, dizziness, impaired coordination, nausea, vomiting, CNS depression or unconsciousness. Repeated skin contact may cause defatting and dermatitis.

4.3 Indication of any immediate medical and special treatment

Treat symptomatically and supportively. The physician may contact the national poison center for advice.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam. Dry chemical. Carbon dioxide (CO₂). Water spray or fog.

Unsuitable extinguishing media: Do not use a direct solid water stream; it may spread burning liquid.

5.2 Specific hazards arising from mixture

Highly flammable. Vapors may form explosive mixtures with air. Vapors may travel to a source of ignition and flash back. Containers may rupture when heated. Combustion products may include carbon oxides.

5.3 Advice for fire fighters

Special protective equipment for firefighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and full protective clothing. Cool exposed containers from a protected position.

5.4 Other information

No other information available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Ventilate the area. Approach from upwind. Avoid vapor and contact. Use grounded, non-sparking equipment. For personal protection, see section 8 of the SDS.

6.2 Environmental precautions:

Prevent entry into drains, waterways, basements and confined spaces. Notify authorities when required.

6.3 Methods and material for containment and cleaning up:

Stop leak if this can be done safely. Dike large spills. Absorb with dry earth, sand or other non-combustible material; do not use sawdust. Place in closed, labeled containers for later disposal.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Use adequate ventilation. Ground and bond containers, tanks, piping and transfer equipment. Avoid splash filling and static accumulation. Empty containers retain flammable vapor; do not cut, weld, drill, grind or pressurize empty containers.



7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions:	Store in a cool, dry, well-ventilated flammable-liquid area away from heat and ignition sources. Keep containers tightly closed and upright. Protect drums and totes from damage.
Incompatible materials:	Oxidizers, acids, reactive metals. See section 10.
Tanker/cargo tank transfer:	Only trained personnel may load or unload. Verify product, capacity, hoses, valves and connections. Bond and ground, set brakes, chock wheels, attend continuously and prevent overfill.

7.3 Specific end uses

See section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	PEL (8-hr TWA)	1900 mg/m ³ 1000 ppm

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Ethyl alcohol (CAS 64-17-5)	REL (TWA)	1000 ppm
	IDLH	3300 ppm

8.2 Exposure controls

Engineering controls:

Use process enclosure and explosion-proof local exhaust ventilation to maintain exposure below applicable limits. Provide eyewash station and safety shower. Consider flammable-vapor monitoring for bulk operations.

Personal Protective equipment:

Hand: Wear chemical-resistant gloves selected using the manufacturer's permeation data.

Body protection: Appropriate protective clothing should be worn to prevent skin contact.

Eye: Chemical splash goggles; face shield where splashing is possible.

Respiratory: Use a NIOSH-approved respirator under a compliant respiratory protection program when engineering controls are insufficient; use positive-pressure SCBA for unknown or IDLH conditions.

Other measures: No statement available.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, volatile liquid
Color:	Colorless
Odor:	Alcohol
Odor threshold:	No data available
pH:	No data available / not applicable
Melting point/range:	-114.1 °C (-173.4 °F) (ethanol)
Boiling point/range:	Approx. 78 °C (174 °F)
Flash point:	12.8 °C (55 °F) Closed Cup
Evaporation rate:	No data available
Flammability:	Highly flammable liquid and vapor
Upper/lower flammability or explosive limits:	Lower 3.3 % v/v; upper 19 % v/v (ethanol)
Vapor pressure:	44.6 mm Hg at 20 °C (68 °F)
Vapor density:	Approx. 1.59 (Air = 1.0)
Relative Density:	0.814 – 0.8157
Solubility(ies):	Completely miscible with water
Partition coefficient (n-octanol/water):	Log Pow: approx. -0.32 (ethanol)
Auto-ignition temperature:	No mixture data available
Decomposition temperature:	No data available
Viscosity:	Approx. 1.2 cP at 20 °C (68 °F)
Explosive properties:	Not explosive
Oxidizing properties:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Can react violently with strong oxidizers, increasing fire or explosion risk.

10.2 Chemical stability

Stable at standard temperature and pressure.

10.3 Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Sunlight, temperature extremes, flames, sparks, static discharge and other ignition sources.

10.5 Incompatible materials

Strong oxidizers, acids, peroxides, alkali metals, acid anhydrides and acid chlorides.

10.6 Hazardous decomposition products

Carbon monoxide, carbon dioxide and irritating vapor during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

General information:

Literature references below are for ethanol and are not mixture test results.

11.1 Information on toxicological effects



Acute Toxicity:

Ethanol oral LD50 (rat): approx. 10,470 mg/kg. Inhalation LC50 (rat): approx. 124.7 mg/L/4 h. High vapor concentrations may cause headache, dizziness, nausea, impaired coordination and CNS depression.

Skin corrosion/irritation:

Repeated or prolonged contact may cause defatting, dryness or dermatitis.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitization:

Not classified based on available information.

Germ cell mutagenicity:

Not classified based on available information.

Carcinogenicity:

Not classified for this industrial product. Cancer findings associated with alcoholic beverage consumption do not automatically establish the same risk for occupational exposure.

Reproductive toxicity:

Not classified for intended industrial use.

STOT – single exposure:

Not classified.

STOT – repeated exposure:

Not classified.

Aspiration hazard:

Not classified based on available information.

Likely route(s) of exposure:

Inhalation, ingestion, skin and eye contact.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not classified as hazardous to the aquatic environment based on available mixture information.

12.2 Persistence and degradability

Ethanol is readily biodegradable.

12.3 Bioaccumulative potential

Low potential; ethanol log Pow reported approximately -0.32.

12.4 Mobility in soil

Water miscible and expected to be mobile in soil and water.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Other adverse effects

Prevent large or frequent releases to the environment.



SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product:

Recover or recycle where feasible. Dispose through an authorized contractor. Unused product may exhibit RCRA ignitability (D001); the waste generator must make the final determination under 40 CFR Part 261 and applicable state and local regulations.

Contaminated packaging:

Empty drums, totes and cargo tanks may retain flammable vapor; do not cut, weld, drill, grind, pressurize or reuse unless properly cleaned and gas-freed.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT:	UN1170, Ethanol solution, 3, PG II; Emergency Response Guide 127.
TDG (Canada):	UN1170, ETHANOL SOLUTION, 3, PG II.
IATA/ICAO:	UN1170, Ethanol solution, 3, PG II; ERG Code 3L. Current packing instructions and quantity limits apply.
IMDG:	UN1170, ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, PG II; EmS F-E, S-D.
Environmental hazards:	Marine pollutant: No.
Packaging precautions:	Drums, totes/IBCs and highway cargo tanks must be authorized, compatible, closed, marked, labeled/placarded and documented under current modal requirements.

SECTION 15: REGULATORY INFORMATION

International Inventories

TSCA: Ethanol and water are listed on the TSCA Inventory.

US Federal Regulations

OSHA HCS: Hazardous chemical under 29 CFR 1910.1200.

SARA 313: No listed ingredient reported above an applicable de minimis concentration.

SARA 311/312 Hazard Categories

Flammable (fire hazard): Yes

Serious eye irritation: Yes

RCRA

Unused product may be characteristic hazardous waste D001.

Alcohol regulation

Undenatured ethanol distribution and use may be subject to Alcohol and Tobacco Tax and Trade Bureau (TTB) requirements, taxes, permits and recordkeeping.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

Ethanol in alcoholic beverages is listed for cancer and developmental toxicity. Applicability depends on exposure route and intended use; obtain qualified California warning review before release into California.



SECTION 16: OTHER INFORMATION

Revision date: Oct-12-2026

NFPA 704 rating: Health 2 | Flammability 3 | Instability 0

Further information

The information presented in this Safety Data Sheet (SDS) is accurate to the best of our knowledge at the date of publication. The information given within the SDS is meant solely as a guide for safe handling, use, transportation, processing, storage, release and disposal. In no means can the information within the SDS be considered as a warranty or specification for quality, nor as an organic certificate. Confirm assay and organic certification with the Certificate of Analysis and organic documentation supplied with each lot.