



SAFETY DATA SHEET

1. Identification

Product Name: Ethanol 200 Proof
Product Code: 02640
SDS Date: 4/4/2016
Use: Industrial

Palmetto Distillery
200 W Benson St
Anderson, SC 29624

General Information: 864-760-0469

2. Hazard(s) identification

GHS Classification

Flammable liquids (Category 2)

Pictogram



Signalword Danger

Hazard Statement

Highly flammable liquid and vapor.

Precautionary

Highly flammable liquid and vapor.
Precautionary statement(s). Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/ protective clothing/ eye protection/ face protection. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Store in a well-ventilated place. Keep cool. Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Ethanol	64-17-5	80-100



4. First-aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information	Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Handling and storage

Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Safe Storage	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Hygroscopic



8. Exposure controls/personal protection

Name		CAS	
Ethanol		64-17-5	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
1000 ppm	Not Available	1000 ppm	Not Available

Engineering Control Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Handle with butyl rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection impervious clothing, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

Appearance	Ethanol	Colorless, clear liquid
Odor	Ethanol	No data available
Odor Threshold	Ethanol	No data available
pH	Ethanol	No data available
Melting/Freezing Point	Ethanol	-143.99C (-227.18F)
Initial Boiling Point/Range	Ethanol	78.0 - 80.0 °C (172.4 - 176.0 °F)
Flash Point	Ethanol	14.0 °C (57.2 °F) - closed cup
Evaporation Rate	Ethanol	No data available
Flammability	Ethanol	No data available
Upper Explosion Limit	Ethanol	19%



Lower Explosion Limit	Ethanol	3.3%
Vapor Pressure	Ethanol	59.5 hPa (44.6 mmHg) at 20.0 °C (68.0 °F)
Vapor Density	Ethanol	No data available
Relative Density	Ethanol	0.7974 g/cm ³
Water Solubility	Ethanol	completely soluble
Partition Coefficient	Ethanol	No data available
Auto Ignition Temperature	Ethanol	363.0 °C (685.4 °F)
Decomposition Temperature	Ethanol	No data available
Viscosity	Ethanol	No data available

10. Stability and reactivity

Reactivity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	Vapors may form explosive mixture with air.
Conditions to Avoid	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Incompatible materials	Alkali metals, Oxidizing agents, Peroxides
Hazardous Decomposition Products	No data available

11. Toxicological information

Name	CAS
Ethanol	64-17-5
LD50 Oral - Rat - 2,743 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - > 2,000 mg/kg	
Skin corrosion/irritation Result: Mild skin irritation - 24 h	
Serious eye damage/eye irritation Result: Irritating to eyes. - 24 h	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information drying, cracking of the skin, Skin irritation Liver - Irregularities	



12. Ecological information

Name	CAS	Toxicity
Ethanol	64-17-5	Not Available

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	Ethanol
Hazard Class	3
Identification Number	UN1170
Packing Group	II
Label	Flammable

15. Regulatory information

Name	CAS
Ethanol	64-17-5
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Chronic Health Hazard
PROP 65	No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.



16. Other information, including date of preparation or last revision

SDS Date: 4/4/2016

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