



BUILDING VISION AND VARIETY

Date: 3/1/2019

Product Code(s): E-200-QT, E-200-G, E-200-2-5, E-200-5, E-200-55G

SAFETY DATA SHEET

1. Identification

Product Name: Ethanol 200 Proof
Product Code(s): E-200-QT, E-200-G, E-200-2-5, E-200-5, E-200-55G
SDS Date: 3/1/2019
Use: Industrial

Address: BVV
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2. Hazard(s) Identification

GHS Classification

Flammable liquids (Category 2)

Pictogram



Signal Word 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 Clean 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.
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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	OSHA TWA	OSHA STEL	ACGIH TWA
1000 ppm	Not Available	Not Available	1000 ppm
			ACGIH STEL
			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	-143.99°C (-227.18°F)
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	3.30%
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 Temp:	Ethanol	363.0 °C (685.4 °F)
Decomposition Temp:	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. Transportation Information

Proper Shipping Name:	Ethanol
Hazard Class	3
Identification Number:	UN1170
Packing Group:	II
Label	Flammable
Ship:	UN1170 ETHANOL CLASS 3 PG II

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: 3/1/2019

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