

SAFETY DATA SHEET



MAMMOTH DISTILLING

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Mammoth Distilling
1554 North East Torch Lake Dr.
Central Lake, MI 49622

Phone: 231-544-1515
In Case of Spill Emergency Contact:
Chemtrec: 800-424-9300

Product Name: ALCOHOL ANTISEPTIC 80% TOPICAL SOLUTION hand sanitizer non-sterile solution

Issue Date: May 1, 2020

Identified Uses: Sanitizer

This is a personal care, cosmetic, or drug product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and drug products, specifically defined by regulations, are exempt from the requirements of a SDS for the consumer. This SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposure such as large spills.

Section 2: HAZARDS IDENTIFICATION

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the Substance or Mixture: FLAMMABLE LIQUIDS - Category 2
EYE IRRITATION - Category 2A
SPECIFIC TARGET ORGAN TOXICITY
single exposure - Category 3 (respiratory system, central nervous system)

Section 2: HAZARDS IDENTIFICATION**GHS Label Elements****Hazard pictograms:****Signal word:**

Danger

Hazard statements:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

Precautionary Statements**Prevention:**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Wash hands thoroughly after handling.

Response:

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: Get medical attention.

Storage:

Store in a well-ventilated place. Keep cool.

Disposal:

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Hazards not
otherwise classified:**

None known.

Other information:

- May be harmful if swallowed.
- May cause eye irritation

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS#	% by Vol.
Ethyl Alcohol	64-17-5	80%
Glycerine	56-81-5	1.45%
Hydrogen Peroxide	772-84-1	0.125%
Denatonium Benzoate	3734-33-6	0.0625%
Water	7732-18-5	18.362%

Section 4: FIRST AID MEASURES**Emergency first aid procedures by route of exposure:**

- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting. If the material is swallowed, get medical attention or advice.
- Skin:** If irritation is experienced, flush with water. If irritation persists, get medical attention.
- Eyes:** Immediately flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, get medical attention.

Section 5: FIRE FIGHTING MEASURES

Flash Point: 55°F (13°C)

Method Used: ASTM D 93

Lower Flammable Limit: 3.3 (Volume % in air)

Upper Flammable Limit: 19.0 (Volume % in air)

Auto Ignition: (Ethyl Alcohol) 363°C

Flammability Classification: Flammable Liquid B

Extinguishing Media: Use methods appropriate for the surrounding fire. Consider water spray or fog, carbon dioxide, dry chemical powder, or alcohol resistant foam.

Products of Combustion: Upon decomposition this product may emit carbon dioxide, carbon monoxide and/or low molecular weight hydrocarbons.

Fire Fighting Equipment/Instructions: Wear protective clothing and equipment suitable for the surrounding fire, including helmet, facemask, and self contained breathing apparatus.

NFPA Rating: Health: 2 Fire: 3 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: For large spills wear gloves, safety glasses and when levels exceed OSHA PEL use appropriate NIOSH approved respiratory protection. Keep unnecessary personnel away. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material.

Environmental Precautions: Prevent discharge to open waters.

Method for Containment: Absorb spilled liquid in suitable non-flammable inert material such as clay, vermiculite or diatomaceous earth.

Methods for Clean-Up: Ventilate area of leak or spill. Use spark-proof tools to sweep or scrape up and containerize in approved chemical waste container. Wash spill area with water.

Section 7: HANDLING AND STORAGE

Advise on Safe Handling: Keep away from heat, sparks and flame. Prevent contact with eyes. Avoid inhalation. Take necessary actions to avoid static electricity discharge (which might cause ignition of organic vapors).

Storage: Keep the container tightly closed and in a cool, well ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Store in suitable labeled containers.

Section 8: EXPOSURE CONTROLS

Exposure Guidelines

Ethyl Alcohol (64-17-5)

ACGIH:	1,000 ppm TWA
OSHA:	1,000 ppm TWA; 1,900 mg/m ³ TWA
NIOSH:	1,000 ppm TWA; 1,900 mg/m ³ TWA

Engineering Controls: Normal room ventilation is usually adequate under normal use.

Personal Protective Equipment (PPE)

Eye/Face Protection: None needed under normal use.

Skin Protection: None needed under normal use.

Respiratory Protection: None needed under normal use.

General Hygiene Considerations: None needed under normal use.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Color: Clear Colorless Liquid

Odor: Alcohol Scent

Physical State: Liquid

pH: Not Available

Vapor Density: (Ethyl Alcohol) 1.6

Boiling Point: (Ethyl Alcohol) 78.5°C

Vapor Pressure: (Ethyl Alcohol) 57.3 hPa at 20°C

Melting/Freezing Point: (Ethyl Alcohol) -114.1°C

Flash Point (see section 5)

Flammability Properties (see section 5)

Solubility (in water): Soluble

Specific Gravity @ 25°C: 0.880-0.920

Evaporation Rate: expected to be rapid

Octanol/Water Partition Coefficient (Kow): (Ethyl Alcohol): - 0.32

Auto-ignition Temperature: (Ethyl Alcohol) 363°C

Decomposition Temperature: Not Available

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal ambient temperatures

Condition to Avoid: Avoid excessive heat or sources of ignition.

Incompatible Materials: This product reacts with strong acid, strong bases, and oxidizing agents.

Hazardous Decomposition: Upon decomposition, this product evolves carbon monoxide, carbon dioxide, and/or low weight hydrocarbons.

Hazardous Reactions: Hazardous polymerization will not occur.

Section 11: TOXICOLOGY INFORMATION**ACUTE EFFECTS:****A: General Product information**

Product contains ethyl alcohol.
Product contains hydrogen peroxide.
Product contains glycerine.
Product contains denatonium benzoate.

B: Component Analysis: LD50

Ethyl Alcohol (64-17-5)
Oral LD50 Rat: 7060 mg/kg

Glycerine (56-81-5)
Oral LD50 Rat: 12,600 mg/kg

Hydrogen Peroxide (772-84-1)
no additional information

Denatonium Benzoate (3734-33-6)
Oral LD50 Rat: 584 mg/kg

CHRONIC EFFECTS:**Component**

Ethyl Alcohol (64-17-5)

Carcinogenicity: ACGIH A4 – Not Classifiable as a Human Carcinogen

Neurotoxicity: This product contains ethyl alcohol, a central nervous system target.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: Ethyl alcohol is a developmental toxin when consumed during pregnancy.

Target Organs: When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

Glycerine (56-81-5)

Carcinogenicity: No information available for product.

Neurotoxicity: No information available for product.

Mutagenicity: Not mutagenic (Ames Test).

Reproductive: No information available for product.

Developmental: No information available for product.

Hydrogen Peroxide (772-84-1)

Carcinogenicity: No information available for product.

Neurotoxicity: No information available for product.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: No information available for product.

Denatonium Benzoate (3734-33-6)

Carcinogenicity: No information available for product.

Neurotoxicity: No information available for product.

Mutagenicity: No information available for product.

Reproductive: No information available for product.

Developmental: No information available for product.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Ethyl Alcohol (64-17-5)

96 hour LC50 Oncorhynchus mykiss: 12,900 mg/L (flow-through) (30 days old)

96 hour LC50 Pimephales promelas: 14.2 mg/L

5 min EC50 Photobacterium phosphoreum: 35,470 mg/L

30 min EC50 Photobacterium phosphoreum: 34,634 mg/L

48 hour EC50 Daphnia magna: 9,268 mg/L

24 hour EC50 Daphnia magna: 10,800 mg/L

Ecotoxicity: Glycerine (56-81-5)

Ecology-general: no supplementary information available

Persistence and Degradability: readily biodegradable

Mobility in Soil: biodegradable in soil: no data available

Other Adverse Affects: n/a

Ecotoxicity: Hydrogen Peroxide (772-84-1)

Ecology-general: no supplementary information available

Persistence and Degradability: readily biodegradable

Mobility in Soil: aqueous solution has high mobility in soil

Other Adverse Affects: n/a

Ecotoxicity: Denatonium Benzoate (3734-33-6)

Ecology-general: no supplementary information available

Persistence and Degradability: no supplementary information available

Mobility in Soil: no supplementary information available

Other Adverse Affects: no supplementary information available

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORTATION INFORMATION

Shipping Name: Consumer Commodity ORM-D

Proper Shipping Name for Non-Consumer Commodity: Ethyl Alcohol Solutions, 3, UN1170, PGII.

Special Precautions**for User:**

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15: REGULATORY INFORMATION

Ethyl alcohol, a component of this product, is on the TSCA inventory.

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material contains ethyl alcohol a developmental toxicity when in alcoholic beverages.

The following components appear on one or more of the following state hazardous substance lists:

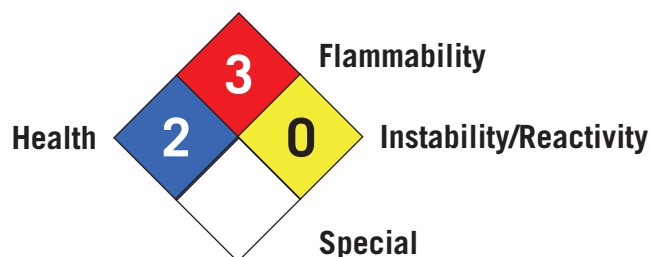
Component	CAS#	CA	MA	MN	NJ	PA
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes

Section 16: OTHER INFORMATION**Hazardous Material Information System (U.S.A)**

Health	2
Flammability	3
Physical Hazards	0

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The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

Section 16: OTHER INFORMATION**National Fire Protection Association (U.S.A.)**

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