

# Hand Sanitizer

Date: 4/1/2020



## SECTION 1: IDENTIFICATION

### Identification

**Product Identifier:** Hand Sanitizer

**Product Name:** Liquid hand Sanitizer

**Intended Use of the Product:** Hand Sanitizer. Do not use on broken skin.

**Name, address and Telephone of the Responsible Party:**

Middle West Spirits, LLC

1230 Courtland Ave

Columbus, Ohio 43201

614-299-2460

[www.middlewestspirits.com](http://www.middlewestspirits.com)

DSP: OH-15015

**Emergency Telephone Number:**

1-800-424-9300 Chemtrec- Toll Free 24 Hour Emergency Telephone Number

## SECTION 2: HAZARDS IDENTIFICATION

### GHS Classification:

Flammable liquids: Category 2

Skin Irritation: Category 2

Eye Irritation: Category 2A

### GHS Label Elements

Hazard Pictograms:



GHS02

GHS07

Signal Word: Danger

Hazard Statements : Highly Flammable Liquid and Vapor

Causes serious eye irritation

Precautionary Statements: 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  
advise/attention.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable  
for breathing.

Storage: Store in a well ventilated place. Keep cool

Other Hazards: None known.

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Disposal:	Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.
Hazards not otherwise	None known.
Classified:	
Other Information:	May be harmful if swallowed

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture: Mixture

Name	CAS Number	Concentration (%)
Ethyl alcohol	64-17-5	80%
Hydrogen peroxide	7722-84-1	4.17% at 3%
Glycerin	56-81-5	1.45 % @ 9
Water	7732-18-5	Remaining balance

**Formulation is taken from the WHO Guide to production**

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures:

<b>Eye Contact:</b>	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if pain or irritation develops.
<b>Inhalation:</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin Contact:</b>	If irritation occurs wash off with soap and water. Get medical attention if irritation persists.
<b>Ingestion:</b>	Rinse mouth. Get medical attention if symptoms occur.

### Most important Symptoms and Effect both Acute and Delayed

After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes). After skin contact: temporary irritation of the skin (redness, swelling, burning) After inhalation: Breathing high vapor concentrations may produce anesthetic effects, nausea, dizziness, headache. After ingestion: ingestion may cause irritation of the mouth, throat, digestive tract, diarrhea and vomiting.

**Indication of any immediate medical attention and special treatment needed:** After eye contact: Immediately rinse eyes with plenty of water for at least 15 minutes while holding eyelids open. After skin contact: Rinse affected area with large amount of mild soap and water until no evidence of product remains. After inhalation: Remove from exposed area to fresh air. After ingestion: Dilution by rinsing the mouth.

**SEE section 11 for more detailed information on health effects and symptoms.**

## SECTION 5: FIRE FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** carbon dioxide, dry chemical, water fog

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid

### Special Hazards Arising from the Substance or Mixture

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion

**Specific hazards during fire fighting:** Keep away from heat and sources of ignition. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials. Carbon

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Dioxide, carbon monoxide

**Special Protective equipment and precautions for fire-fighters.** In case of fire, wear a full face **positive pressure self-contained** breathing apparatus and protective suit. Shut off all ignition sources. Move containers from fire area if you can do it without risk. Apply cooling water to sides of containers that are exposed to flames until well after fire is out. Use flooding amounts of water as a fog, solid streams may be ineffective. Avoid breathing hazardous vapors keep upwind.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**For Non-emergency personnel:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For Emergency Responders:** If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and non suitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

**Small Spill:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion proof equipment. Dilute with water and mop up if water-soluble. Alternately, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spill:** Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion proof equipment. Approach from upwind. Prevent entry into sewers, water courses, basement or confined areas. Wash spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and Section 13 for waste disposal.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Protective measures:** Put on appropriate personal protective equipment (see section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosive proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before

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eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities:** Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food or drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See section 10 for incompatible materials before handling or use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters: Occupational exposure limits

Ingredient name	ACGIH	OSHA	NOISH
Ethyl Denatured	STEL: 1000 ppm 15 minutes	1000 ppm PEL 8 hours	1000 ppm TWA 10 hours
Glycerin		5 mg/m3 Respirable fraction 15 mg/m3 Total dust	
Hydrogen Peroxide	TWA: 1 ppm	TWA: 1 ppm(1.4mg/m3)	TWA 1ppm (1.4mg/m3)

**Appropriate engineering controls:** Use only with adequate ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated

### Individual protection measures:

<b>Eye/Face protection:</b>	Wear safety glasses with side shields (or goggles)
<b>Skin protection:</b>	No special protective equipment required.
<b>Respiratory Protection:</b>	No personal respiratory equipment normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	Liquid
Appearance	Colorless, Clear, volatile liquid
Odor	Alcohol-like
Odor Threshold	Not Available
ph	Not Available
Evaporation Rate	Not Available
Melting point	Not Available
Freezing Point	Not Available
Boiling Point	Not Available
Flash Point	Not Available
Auto-ignition Temperature	Not Available
Decomposition Temperature	Not Available
Flammability (solid, gas)	Highly flammable liquid
Lower Flammability Limit	Not Available
Upper Flammability Limit	Not Available
Vapor Pressure	Not Available
Vapor Density	Not Available

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Relative Density	Not Available
Specific Gravity	Not Available
Solubility	Not Available
Partition Coefficient: N-Octanol/water	Not Available
Viscosity	Not Available
Explosion Data- Sensitivity to Mechanical Impact	Not expected to present an explosion hazard due to mechanical impact
Explosion Data - Sensitivity to Static Discharge	Static Discharge could act as an ignition source.

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** This product may react with acids. Increased risk of fire or explosion

**Chemical Stability:** Stable under normal temperature and pressure

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to avoid:** Direct sunlight. Extremely high or low temperatures. Open flame.

**Incompatible Materials:** Strong oxidizers and reducing agents, combustible materials

**Hazardous Decomposition Products:** Oxides of carbon,, Oxygen which supports combustion.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects-Product

**Routes of entry:** Eyes, Ingestion, Inhalation

**Eyes:** May cause Moderate to severe irritation

**Ingestion:** Ingestion of large quantities may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:** Intentional inhalation of vapors from product may cause central nervous system effects and irritation of the throat and lungs with coughing.

**Skin Contact:** Product is meant to be applied to skin. If you suspect a reaction discontinue use and rinse skin immediately with water for 15-20 minutes

**Medical condition aggravated;** Pre-existing disorders of skin, respiratory system and eyes will be aggravated by over exposure.

**Acute health hazards:** Eyes: redness, tearing and blurred vision

Skin: defatting and dermatitis

Oral: Abdominal irritation, nausea, vomiting and diarrhea

## SECTION 12: ECOLOGICAL INFORMATION

### Ecotoxicity

**Environmental effects:** This product has no known ecotoxicological effects

### Product:

Toxicity to fish no data available

Toxicity to daphnia and other

aquatic invertebrates: no data available

Toxicity to algae: no data available

### Ingredients:

Toxicity to fish ethanol

**Persistence and degradability:** No data available

**Bio accumulative Potential:** No data available

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**Mobility in Soil**  
**Other Adverse Effects**

No data available  
Avoid release to environment

## SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Handle Empty containers with care because residual vapors are flammable.

## SECTION 14: TRANSPORT INFORMATION

### In Accordance with DOT

**Proper shipping name:** Flammable Liquid  
**Hazard Class:** 3  
**Identification Number:** UN1993  
**Label Codes:** 3  
**Packing Group:** II



### In Accordance with IMDG

**Proper shipping name:** Flammable Liquid  
**Hazard Class:** 3  
**Identification Number:** UN1993  
**Packing Group:** II  
**Label Codes:** 3



### In Accordance with IATA

**Proper shipping name:** Flammable Liquid  
**Packing Group:** II  
**Identification Number:** UN1993  
**Hazard Class:** 3  
**Label Codes:** 3



### In Accordance with TDG

**Proper shipping name:** Flammable Liquid  
**Packing Group:** III  
**Hazard Class:** 3  
**Identification Number:** UN1993  
**Label Codes:** 3



## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

**TSCA Status:** All chemical are listed or exempt

**CERCLA:** None

**SARA Section 311/312 Hazard Classes**

Fire Hazard

**SARA 313 Reportable Ingredients:**

None

**Clean Water Act:**

None

**State Regulations:**

California Proposition 65: none

**International Regulations:**

All components are listed or exempted

**NFPA Health:**

1

**HMIS Health:**

1

**NFPA Flammability:**

3

**HMIS Flammability:**

3

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NFPA Reactivity: 0

HMIS Reactivity: 0

NFPA Other: n/a

HMIS Protection: B

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date Prepared:** 4/1/2020

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