

# MATERIAL SAFETY DATA SHEET FOR THE WHO HAND SANITIZER FORMULA

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** : Alcohol Antiseptic 80% Topical Solution  
Hand Sanitizer Non-sterile Solution  
**Product Use** : Sanitizer

### Manufacturer or supplier's details

**Company:** Sagamore Whiskey, LLC  
**Address:** 301 E Cromwell St. Baltimore, MD 21230 **Emergency**  
**telephone number:**  
Health North America: (410)624-7488  
Transport North America: (410)624-7488  
**Additional** Responsible Party: Sagamore Whiskey, LLC  
**Information:**  
E-Mail: [info@sagamorespirit.com](mailto:info@sagamorespirit.com)  
SDS Requests: [info@sagamorespirit.com](mailto:info@sagamorespirit.com)  
Website: [www.sagamorespirit.com](http://www.sagamorespirit.com)

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Flammable liquids : Category 2  
  
Eye irritation : Category 2A  
  
Specific target organ : Category 3 (Respiratory system, Central nervous toxicity - single exposure system)

### GHS Label element

Hazard pictograms  
Signal word:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.

Precautionary Statements: **Prevention:**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcoholresistant foam for extinction.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Potential Health Effects**

### **Carcinogenicity:**

<b>IARC</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>ACGIH</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Emergency Overview**

Appearance	liquid
Color	colourless
Odor	alcohol-like, sweet
Hazard Summary	No information available.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

CAS-No.	Chemical Name	Concentration (%)	Hazard
64-17-5	Ethanol	80-90%	Flam. Liq. 2, Eye irrit.2A STOTSE 3 (Respiratory, CNS)
7722-84-1	Hydrogen peroxide	0.125%	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1A, H314
67-63-0	Isopropyl Alcohol (2-Propanol)	>= 1% - <5%	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H335

All

concentrations are in percent by weight unless otherwise indicated. Components not listed are either non-hazardous or are below reportable limits.

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#### **SECTION 4. FIRST AID MEASURES**

General advice	: Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	: If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of skin contact	: If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects acute and delayed: Headache. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing.

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#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: No hazardous combustion products are known
Specific extinguishing methods	: Use a water spray to cool fully closed containers.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans

should be stored separately in closed containments. Special  
protective : Wear self-contained breathing apparatus for equipment  
for firefighters firefighting if necessary.

**NFPA Flammable and Combustible Liquids Classification:** Flammable  
Liquid Class IB

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, : Ensure adequate ventilation. protective  
equipment and Remove all sources of ignition.  
emergency procedures Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive  
concentrations. Vapours can accumulate in low areas.  
Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so. If  
the product contaminates rivers and lakes or drains  
inform respective authorities.  
Methods and materials : Contain spillage, and then collect with noncombustible  
for containment and absorbent material, (e.g. sand, earth, diatomaceous  
cleaning up earth, vermiculite) and place in container for disposal  
according to local / national regulations (see section  
13).

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## SECTION 7. HANDLING AND STORAGE

Advice on safe handling: Avoid formation of aerosol.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited  
in the application area.  
Take precautionary measures against static  
discharges.  
Provide sufficient air exchange and/or exhaust in  
work rooms.  
Container may be opened only under exhaust  
ventilation hood.  
Open drum carefully as content may be under  
pressure.  
Dispose of rinse water in accordance with local and  
national regulations.  
Conditions for safe storage: No smoking.  
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.  
Observe label precautions.

Electrical installations / working materials must comply with the technological safety standards.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
64 -17-5	Et hanol	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
		STEL	1,000 ppm	ACGIH
7722-84-1	Hydrogen peroxide	TWA	1 ppm 1.4 mg/m <sup>3</sup>	ACGIH
		TWA	1 ppm 1.4 mg/m <sup>3</sup>	OSHA
		IDLH	75 ppm	IDLH US
		TWA	1 ppm 1.4 mg/m <sup>3</sup>	NIOSH
67-63-0	Propan-2-ol	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1

**Personal protective equipment**

Respiratory protection	: No personal respiratory protective equipment normally required.
Hand protection	
Remarks	: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	: Eye wash bottle with pure water Tightly fitting safety goggles
Skin and body protection	: impervious clothing Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures	: Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	: liquid
Color	: colourless
Odor	: alcohol-like, sweet
Odor Threshold	: No data available
pH	: No data available
Freezing Point (Melting point/range )	: -114.1 °C (-173.4 °F)
Boiling Point (Boiling point/boiling range )	79 °C (174 °F) (1013 hPa)
Flash point	: 12 °C (54 °F)
Evaporation rate	: Expected to be rapid
Flammability (solid, gas)	: Not applicable
Burning rate	: No data available
Upper explosion limit	: 19 % (by volume 100% ethanol)
Lower explosion limit	: 3.3 % (by volume 100% ethanol)
Vapor pressure	: 60 hPa @ 20 °C (68 °F)
Relative vapor density	: 1.6
Relative density	: 0.789 @ 20 °C (68 °F)
Density	: 0.816 g/cm <sup>3</sup> @ 20 °C (68 °F)
Bulk density	: No data available
Solubility(ies)	
Water solubility	: completely soluble
Other solubilities	: Miscible in many other organic solvents
Partition coefficient: noctanol/water	: No data available
Auto -ignition temperature	: No data available
Thermal decomposition	: No data available
Viscosity	: Water thin

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous re actions	: No hazards to be specially mentioned.
Conditions to avoid	: Extremes of temperature and direct sunlight. Heat, flames and sparks.
Incompatible materials	: Alkali metals Ammonia Oxidizing agents peroxides

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## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Information on likely routes of exposure

**Inhalation:** Prolonged inhalation may be harmful.

**Skin contact:** Prolonged skin contact may cause temporary irritation.

**Eye contact:** Causes serious eye irritation.

**Ingestion:** Expected to be a low ingestion hazard due to denaturant.

#### Product:

Acute oral toxicity : Not expected to be acutely toxic.

#### Components:

##### 64-17-5: Ethanol Aspiration

#### toxicity

#### Components:

##### 64-17-5:

No aspiration toxicity classification

#### Further information

#### Product:

Remarks: Solvents may degrease the skin.

Skin corrosion/irritation: Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye: Causes serious eye irritation.

Respiratory or skin sensitization:

Not a respiratory sensitizer.

This product is not expected to cause skin sensitization.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Not classifiable as to carcinogenicity to humans.



IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed. Only drinking of alcoholic beverages is listed. Denaturing removes that risk. NTP Report on Carcinogens: Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053): Not regulated. Reproductive toxicity This product is not expected to cause reproductive or developmental effects. Specific target organ toxicity - single exposure: Not classified.

Specific target organ toxicity - repeated exposure: Not classified.

Aspiration hazard: Not an aspiration hazard.

Chronic effects: Prolonged inhalation may be harmful.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **64-17-5:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)):  
15,300 mg/l  
Exposure time: 96 h  
Test Type: flow-through test

Toxicity to daphnia and : EC50 (Ceriodaphnia dubia): 5,012 mg/l other  
aquatic Exposure time: 48 h invertebrates Test Type: static test

Toxicity to algae : EC50 (Chlorella vulgaris (Fresh  
water algae)): 275 mg/l  
End point: Growth rate  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: No data available

### Persistence and degradability

#### Components:

##### **64-17-5:**

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

#### Components:

##### **64-17-5:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

**Mobility in soil**

No data available

**Other adverse effects** No data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

: No data available

Additional ecological information

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues

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

For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact NEXEO's Environmental Services Group at 800-637-7922.

Contaminated packaging

: Empty remaining contents.

Dispose of as unused product.

Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

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**SECTION 14. TRANSPORT INFORMATION**

**IATA (International Air Transport Association):** UN1170, ETHANOL, 3, II, Flash Point:12 °C(54 °F)

**IMDG (International Maritime Dangerous Goods):** UN1170, ETHANOL, 3, II

**DOT (Department of Transportation):** UN1170, ETHANOL, 3, II

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**SECTION 15. REGULATORY INFORMATION**

**OSHA Hazards**

: Flammable liquid, Moderate eye irritant, Moderate respiratory irritant

**WHMIS Classification**

: B2: Flammable liquid

**- Emergency Planning and Community Right-to-Know Act**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312** : Fire Hazard  
**Hazards** Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. **Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

64-17-5	Ethanol	≥ 80 %
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**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations**

**Massachusetts Right To Know**

64-17-5	Ethanol	80 - 95 %
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**Pennsylvania Right To Know**

64-17-5	Ethanol	80 - 95 %
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**New Jersey Right To Know**

64-17-5	Ethanol	80 - 95 %
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**California Prop 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

75-07-0	Acetaldehyde
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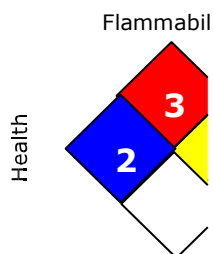
**The components of this product are reported in the United States TSCA Inventory**

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## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



Special hazard.

#### HMIS III:

<b>HEALTH</b>	<b>2</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High

4 =Extreme, \* = Chronic

The information provided is based on the data we are aware of and is believed to be correct as of the date of creation. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date of creation, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Sagamore Whiskey, LLC - [info@sagamorespirit.com](mailto:info@sagamorespirit.com)

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