

• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

SECTION 1: IDENTIFICATION

Product Name: H2One • Premium Hand Sanitizer

Manufacturer/Supplier Details: Samaritan Products, LLC
780 5th Avenue, South
Naples, FL 34102
(800) 804-0250

Emergency Telephone Numbers: CHEMTREC 1-800-424-9300
CHEMTREC +1-703-527-3887: Outside USA & CANADA

Recommended Use: Antimicrobial Hand Sanitizer'

Restrictions on Use: This is a personal care and/or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from an SDS for the consumer. While this material is not considered hazardous, 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 exposures such as large spills. For Large spills, care should be taken to minimize exposure to sensitive skin and materials. This product is packaged in such small volumes that large spills are not likely or probable. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

SECTION 2: HAZARDS IDENTIFICATION**GHS Classification:**

Flammable liquids. Category 3
Eye Irritation. Category 2A

GHS Label Element:

Hazard Pictograms:



Signal Word: Warning



• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Hazard Statements: H226 Flammable liquid and vapor.

H319 Causes serious eye irritation

Precautionary Statements: **Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

Response:

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

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.

Storage:

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

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

Other hazards:

Vapors may form explosive mixture with air.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**Substance / Mixture:** Mixture

Chemical Name	CAS-No	Concentration (%)
Denatured Ethanol	64-17-5	>= 50% - < 80%



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

SECTION 4: FIRST AID MEASURES

General advice:

- In the case of accident or if you feel unwell, seek medical advice immediately.
- When symptoms persist or in all cases of doubt seek medical advice.

If inhaled:

- If inhaled, remove to fresh air.
- Get medical attention if symptoms occur.

In case of skin contact:

- Wash with water and soap as a precaution.
- Get medical attention if symptoms occur.

In case of eye contact:

- In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
- If easy to do, remove contact lens, if worn.
- Get medical attention.

If swallowed:

- If swallowed, DO NOT induce vomiting.
- Get medical attention if symptoms occur.
- Rinse mouth thoroughly with water.

Most important symptoms - effects, both acute & delayed:

- Causes serious eye irritation.

Protection of first-aiders:

- First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

Notes to physician:

- Treat symptomatically and supportively.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media:

- Water spray
- Alcohol-resistant foam
- Dry chemical
- Carbon dioxide (CO₂)

Unsuitable extinguishing media:

- High volume water jet

• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Specific hazards during firefighting:

- Do not use a solid water stream as it may scatter and spread fire.
- Flash back possible over considerable distance.
- Vapors may form explosive mixtures with air.
- Exposure to combustion products may be a hazard to health.

Hazardous combustion products: •Carbon oxides**Specific extinguishing methods:**

- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Use water spray to cool unopened containers.
- Remove undamaged containers from fire area if it is safe to do so.
- Evacuate area.

Special protective equipment for firefighters:

- In the event of fire, wear self-contained breathing apparatus.
- Use personal protective equipment.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions:**

- Remove all sources of ignition

Protective equipment and emergency procedures:

- Use personal protective equipment.
- Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions:

- Discharge into the environment must be avoided.
- Prevent further leakage or spillage if safe to do so.
- Prevent spreading over a wide area (e.g. by containment or oil barriers).
- Retain and dispose of contaminated wash water.
- In the unlikely event that sufficient quantities are present that could result in a large spill or discharge of the product, local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up:

- Non-sparking tools should be used.
- Soak up with inert absorbent material.
- Suppress (knock down) gases/vapors/mists with a water spray jet.

**• SAFETY DATA SHEET •**

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

- In the unlikely event of large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
- Clean up remaining materials from spill with suitable absorbent.
- Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
- Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE**Technical measures:**

- See Engineering measures under EXPOSURE CONTROLS / PERSONAL PROTECTION section (Section 8 below).
- Local/Total ventilation: Use with local exhaust ventilation.
- Use only in an area equipped with explosion proof exhaust ventilation.

Advice on safe handling:

- Do not breathe vapors or spray mist.
- Do not swallow.
- Do not get in eyes.
- Avoid prolonged or repeated contact with skin.
- Handle in accordance with good industrial hygiene and safety practice.
- Non-sparking tools should be used.
- Keep container tightly closed.
- Keep away from heat and sources of ignition.
- Take precautionary measures against static discharges.
- Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage:

- Keep in properly labeled containers.
- Keep tightly closed.
- Keep in a cool, well-ventilated place.
- Store in accordance with the particular national regulations.
- Keep away from heat and sources of ignition.



• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Materials to avoid:

•Do not store with the following product types:

- Strong oxidizing agents
- Organic peroxides
- Flammable solids
- Pyrophoric liquids
- Pyrophoric solids
- Self-heating substances and mixtures
- Substances and mixtures which in contact with water emit flammable gases
- Explosives
- Gases

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Preface: Although H2One™ is a personal care and/or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable uses, the active ingredient, Ethanol, by itself in larger quantities, may have properties that require exposure controls or personal protection in some instances independent of its use as an active ingredient in H2One™. However, when used properly, H2One™ Hand Sanitizer does not require the use of any personal protection equipment when the product is used as intended and for its intended purpose. For Large spills, care should be taken to minimize exposure to sensitive skin and materials. This product is packaged in such small volumes that large spills are not likely or probable. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

•Ingredients with workplace control parameters:

Ingredients	CAS-No.	Value type (Form of Exposure)	Control parameters / Permissible Concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		STEL	1,000 ppm	ACGIH

Engineering measures:

- Minimize workplace exposure concentrations.
- Use only in an area equipped with explosion proof exhaust ventilation.
- Use with local exhaust ventilation.
- No PPE required under normal circumstances and uses.



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

• **Personal Protective Equipment**

- Respiratory protection:**
- General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.
 - Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection. No respiratory protection is necessary when this product is used under normal circumstances.
- Hand Protection:**
- Material:** • Impervious gloves
- Material:** • Flame retardant gloves
- Remarks:**
- Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often.
 - For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
 - No PPE required under normal circumstances and uses.
- Eye protection:**
- Wear safety goggles as personal protective equipment.
 - No PPE required under normal circumstances and uses.
- Skin and body protection:**
- Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential.
 - Wear the following personal protective equipment:
 - Flame retardant antistatic protective clothing.
 - Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
 - No PPE required under normal circumstances and uses.
- Hygiene measures:**
- Ensure that eye flushing systems and safety showers are located close to the working place.



• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

- When using do not eat, drink or smoke.
- Wash contaminated clothing before re-use.
- No special hygiene measures are required under normal circumstances and uses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	•gel
Color:	•Clear, Colorless Slight Tint
Odor:	•Lavender – Tea Tree
Odor Threshold:	•No data available
pH:	•6.5 - 8.5
Melting point/freezing point:	•No data available
Initial boiling point and boiling range:	•70 °C
Flash point:	•25 °C
Evaporation rate:	•No data available
Flammability (solid, gas):	•Not applicable
Upper explosion limit:	•No data available
Lower explosion limit:	•No data available
Vapor pressure:	•No data available
Relative vapor density:	•No data available
Density:	•0.8750 g/cm ³
☛Solubility(ies)	
Water solubility:	•Soluble
Partition coefficient n octanol/water:	•Not Applicable
Autoignition temperature:	•No data available
Decomposition temperature:	•The substance or mixture is not classified self-reactive.
Viscosity, kinematic:	•3,500 - 23,000 mm ² /s (20 °C)
Explosive properties:	•Not explosive
Oxidizing properties:	•The substance or mixture is not classified as oxidizing

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	•Not classified as a reactivity hazard.
Chemical stability:	•Stable under normal conditions.



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250 Emergency Assistance (CHEMTREC): 1.800.424.9300 (USA)

- Possibility of hazardous reactions:**
- Flammable liquid and vapor.
 - Vapors may form explosive mixture with air.
 - Can react with strong oxidizing agents.
- Conditions to avoid:**
- Heat, flames and sparks.
- Incompatible materials:**
- Oxidizing agents
- Hazardous decomposition products:**
- No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation
 Skin contact
 Ingestion
 Eye contact

Acute toxicity:

Not classified based on available information.

Product:

Acute oral toxicity:

- Acute toxicity estimate: > 5,000 mg/kg
- Method: Calculation method

Ingredients:

Ethanol:

Acute oral toxicity:	• LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity:	• LC50 (Rat): 124.7 mg/l
Exposure time:	• 4 h
Test atmosphere:	• Vapor

Skin corrosion/irritation: • Not classified based on available information.

Product:

Result: • No skin irritation

Ingredients:

Ethanol:

Species: Rabbit

• SAFETY DATA SHEET •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250 Emergency Assistance (CHEMTREC): 1.800.424.9300 (USA)

Method: OECD Test Guideline 404

Result: No skin irritation

**Serious eye damage/
eye irritation:** •Causes serious eye irritation.

Ingredients:**Ethanol:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Method: OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.

Respiratory sensitization: Not classified based on available information.

Product:

Assessment: •Does not cause skin sensitization.

Ingredients:**Ethanol:**

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse

Result: negative

Germ cell mutagenicity: •Not classified based on available information.

Ingredients:**Ethanol:**

Genotoxicity in vitro: •Test Type: In vitro mammalian cell gene mutation test

Result: •negative

Genotoxicity in vivo: •Test Type: Rodent dominant lethal test (germ cell) (in vivo)

•Species: Mouse

•Application Route: Ingestion

•Result: negative

Carcinogenicity: •Not classified based on available information.

Reproductive toxicity: •Not classified based on available information.



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Ingredients:**Ethanol:**

Effects on fertility : Test Type: Two-generation reproduction toxicity study
 Species: Mouse
 Application Route: Ingestion
 Method: OECD Test Guideline 416
 Result: negative

STOT-single exposure: •Not classified based on available information.

Ingredients:**Ethanol:**

Species: Rat
 NOAEL: 2,400 mg/kg
 Application Route: Ingestion
 Exposure time: 2 y

Aspiration toxicity: •Not classified based on available information.

SECTION 12: ECOLOGICAL INFORMATION**Ecotoxicity****Ingredients:****Ethanol:**

Toxicity to fish:	<ul style="list-style-type: none"> •LC50 (<i>Pimephales promelas</i> (fathead minnow)): > 1,000 mg/l •Exposure time: 96 h
Toxicity to daphnia and aquatic invertebrates:	<ul style="list-style-type: none"> •EC50 (<i>Daphnia vagna</i> (Water flea)): > 1,000 mg/l •Exposure time: 48 h
Toxicity to algae:	<ul style="list-style-type: none"> •EC50 (<i>Chlorella vulgaris</i> (Fresh water algae)): 275 mg/l •Exposure time: 72 h •Method: OECD Test Guideline 201
Toxicity to daphnia and aquatic invertebrates: (Chronic toxicity)	<ul style="list-style-type: none"> •NOEC (<i>Daphnia magna</i> (Water flea)): 9.6 mg/l •Exposure time: 9 d
Toxicity to bacteria:	<ul style="list-style-type: none"> •EC50 (<i>Photobacterium phosphoreum</i>): 32.1 mg/l •Exposure time: 0.25 h



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Persistence and Degradability

Ingredients:

Ethanol:

- Biodegradability: •Result: Readily biodegradable.
 •Biodegradation: 84 %
 •Exposure time: 20 d

Ingredients:

Ethanol:

- Partition coefficient: •n octanol/water
 •log Pow: -0.35

Mobility in soil: •No data available

Other adverse effects: •No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues: •Dispose of in accordance with local regulations.

Contaminated packaging: •Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

International Regulation

UNRTDG

- UN number: •UN 1987
 Proper shipping name: •ALCOHOL, N.O.S. (Ethanol)
 Class: •3
 Packing group: •III
 Labels: •3

IATA-DGR

- UN/ID No.: •UN 1987
 Proper shipping name: •ALCOHOL, N.O.S. (Ethanol)
 Class: •3
 Packing group: •III
 Labels: •Flammable Liquids



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Packing instruction (cargo aircraft)	•366
Packing instruction (passenger aircraft)	•355

IMDG-Code

UN number:	•UN 1987
Proper shipping name:	•ALCOHOLS, N.O.S. (Ethanol)
Class:	•3
Packing group:	•III
Labels:	•3
EmS Code:	•F-E, S-D
Marine pollutant:	•No

**Transport in bulk according to
Annex II of MARPOL 73/78 and
the IBC Code:**

•Not applicable for product as supplied.

Domestic Regulation

49 CFR	UN/ID/NA Number: UN 1987
	Proper shipping name: ALCOHOLS, N.O.S.
	Class: 3
	Packing group: III
	Labels: FLAMMABLE LIQUID
	ERG Code: 127
	Marine pollutant: no

SECTION 15: REGULATORY INFORMATION**EPCRA - Emergency Planning and Community Right-to-Know****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 Hazards:

- Fire Hazard
- Acute Health Hazard

• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

SARA 302:

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

SARA 313:

•No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

U.S.A. - State Regulations**Pennsylvania Right To Know**

Ethanol 64-17-5 50 - 80 %
Water 7732-18-5 30 - 50 %

New Jersey Right To Know

Ethanol 64-17-5 50 - 80 %
Water 7732-18-5 30 - 50 %

California Prop 65

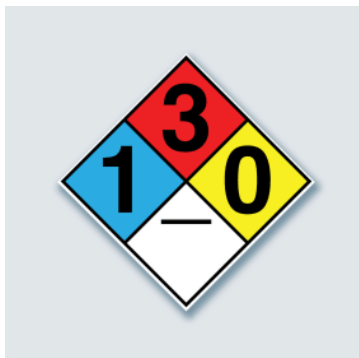
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

The ingredients of this product are reported in the following inventories:

AICS : All ingredients listed or exempt.

Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), NECSI (Taiwan), TSCA (USA)

SECTION 16: OTHER INFORMATION**Further Information****NFPA:**



• **SAFETY DATA SHEET** •

Version 1.2

SDS Number: 1021

Revision Date: 04.27.2020

Product Information: 800.804.0250

Emergency Assistance

(CHEMTREC): 1.800.424.9300 (USA)

Full text of other abbreviations

ACGIH:	•USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI:	•ACGIH - Biological Exposure Indices (BEI)
NIOSH REL:	•USA. NIOSH Recommended Exposure Limits
OSHA Z-1:	•USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA:	•8-hour, time-weighted average
ACGIH / STEL:	•Short-term exposure limit
NIOSH REL / TWA:	•Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST:	•STEL - 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA Z-1 / TWA:	•8-hour time weighted average

Sources of key data used to compile the Material Safety Data Sheet:

Internal technical data, data from raw material SDSs, OECD eChem Portal search results.

Revision Date: •04/27/2020

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.