



## SAFETY DATA SHEET

# HAND SANITIZER

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### Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product name: Hand Sanitizer  
Other means of identification: n/a  
Recommended use: Hand sanitizer  
Restrictions on use: For occasional and personal domestic use  
Product dilution information: No dilution information provided  
Company: Authentic Seacoast Distilling Company Ltd  
75 Ferry Lane  
Guysborough, Nova Scotia, B0H-1N0  
CANADA  
Emergency phone number: (902) 870-5097  
Issuing date: April 17, 2020

### Section 2: HAZARDS IDENTIFICATION

GHS Classification  
Flammable liquids: Category 2  
Eye irritation: Category 2A  
Specific target organ toxicity: Category 3 (central nervous system)

GHS Label Element:  
Hazard pictograms:



Signal word: Danger  
Hazards statements: Highly flammable liquid and vapour  
Causes serious eye irritation  
May cause drowsiness or dizziness



**Precautionary statements:**

**Prevention:**

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. Avoid breathing dust/fume/gas/mist/vapours/spray. Wash skin thoroughly after handling. Use only in a well ventilated area. Wear protective eye and face protection.

**Response:**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation exists, get medical advice/attention. In case of fire, use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.

**Disposal:**

Dispose of contents/container at an approved waste disposal plant.

**Other hazards:**

None known

### **Section 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture:

Mixture

**Chemical name:**

Ethanol

Glycerin

Hydrogen peroxide

**CAS-No.**

64-17-5

56-81-5

7722-84-1

**Concentration (%)**

60 – 100

1 – 5

0 – 0.2

### **Section 4: FIRST AID MEASURES**

In case of eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation exists, get medical advice/attention.

In case of skin contact:

Rinse with plenty of water.

If swallowed:

Rinse mouth. Get medical attention if systems occur.

If inhaled:

Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first aiders:

If potential for exposure exists, refer to Section 8 for specific personal protective equipment.



Notes to physicians:

Most important symptoms & effects:

Treat symptomatically.

See Section 11 for more detailed information on health effects and symptoms.

## Section 5: FIREFIGHTING MEASURES

Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media:

High volume water jet.

Specific hazards during firefighting:

Fire hazard

Keep away from heat and sources of ignition

Flash back possible over considerable distance

Beware vapours accumulating to form explosive concentrations

Vapours can accumulate in low areas

Hazardous combustion products

Decomposition products may include the following materials:

Carbon oxides

Nitrogen oxides

Sulphur oxides

Oxides of phosphorus

Special protective equipment for Firefighters

Use personal protective equipment

Special extinguishing methods

Use water spray to cool unopened containers. Fire residues and contaminate fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion, do not breathe fumes.

## Section 6: ACCIDENTIAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures

Remove all sources of ignition. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in Sections 7 & 8.

Environmental precautions

Do not allow contact with soil, surface or ground water

Methods & materials for containment & cleaning up

Eliminate all ignition sources if safe to do so. Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material (e.g., sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

## Section 7: HANDLING & STORAGE

Advice on safe handling:

Avoid contact with eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Keep away from fire, sparks and heated surfaces. Take necessary action to avoid static electricity discharge



(which might cause ignition of organic vapours). Wash hands thoroughly after handling. Open drum carefully as content may be under pressure.

Conditions for safe storage: Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in a suitably labeled container.

Storage temperature: 0 C to 50 C

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS No.	Form of exposure	Permissible concentration	Basis
Ethanol	64-17-5	TWA OEL-RL	1,000 ppm 1,900 mg/m <sup>3</sup>	ZA OEL
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	ARE OEL
Glycerin	56-81-5	TWA OEL-RL (Mist)	10 mg/m <sup>3</sup>	ZA OEL
Glycerin	56-81-5	TW (Mist)	10 mg/m <sup>3</sup>	BH OEL
Glycerin	56-81-5	TWA (Mist)	10 mg/m <sup>3</sup>	ARE OEL
Hydrogen peroxide	7722-84-1	TWA	1 ppm 1.4 mg/m <sup>3</sup>	n/a

Engineering measures: Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment:

Eye protection Wear eye protection/face protection

Hand protection Wear the following personal protective equipment: Standard glove type. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough

Skin protection No special protective equipment required

Respiratory protection When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

## Section 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Liquid

Colour: Clear, colourless

Odour: Alcohol-like

pH: n/a

Flash point: 21 C

Odour threshold: no data available



Melting point/freezing point:	no data available
Initial boiling point & boiling range:	no data available
Evaporation rate:	no data available
Flammability (solid, gas):	no data available
Upper explosion limit:	no data available
Lower explosion limit:	no data available
Vapour pressure:	no data available
Relative vapour density:	no data available
Relative density:	0.859 +/-
Water solubility:	soluble
Solubility in other solvents:	no data available
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, kinematic:	no data available
Explosive properties:	no data available
Oxidizing properties:	no data available
Molecular weight:	no data available
VOC:	no data available

## Section 10: STABILITY & REACTIVITY

Chemical stability:	Stable under normal conditions
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use
Conditions to avoid:	Heat, flames and sparks
Incompatible materials:	Acids
Hazardous decomposition products:	In case of fire, hazardous decomposition products may be produced such as: Carbon oxides Nitrogen oxides Sulphur oxides Oxides of phosphorus

## Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation, eye contact, skin contact
Potential health effects	
Eyes	Causes serious eye irritation
Skin	Health injuries are not known or expected under normal use
Ingestion	Health injuries are not known or expected under normal use
Inhalation	Inhalation may cause central nervous system effects
Chronic exposure	Health injuries are not known or expected under normal use
Experience with human exposure	
Eye contact	Redness, pain, irritation
Skin contact	No symptoms known or expected
Ingestion	No symptoms known or expected
Inhalation	Dizziness, drowsiness
Toxicity	



Acute oral toxicity	no data available
Acute inhalation toxicity	no data available
Acute dermal toxicity	no data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	no data available
Respiratory or skin sensitization	no data available
Carcinogenicity	no data available
Reproductive effects	no data available
Germ cell mutagenicity	no data available
Teratogenicity	no data available
STOT – single exposure	no data available
STOT – repeated exposure	no data available
Aspiration toxicity	no data available

#### Components

Acute oral toxicity	Ethanol: LD50 rat: 10,470 mg/kg Glycerin: LD50 rat: 18,300 mg/kg Hydrogen peroxide: LD50 rat: >800 mg/kg
Acute inhalation toxicity:	Ethanol: 4 h LC50 rate: 117 mg/l; test atmosphere: vapour Hydrogen peroxide: 0.2 – 2 mg/litre [HERA – Hydrogen Peroxide Version 1.0 April 2005]
Acute dermal toxicity:	Ethanol: LD50 rabbit > 15,800 mg/kg Glycerin: LD50 rabbit: 23,000 mg/kg Hydrogen peroxide: LD50 animals: >700 mg/kg

## Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	
Environmental effects:	Harmful to aquatic life
Product	
Toxicity to fish	no data available
Toxicity to daphnia & other aquatic Invertebrates	no data available
Toxicity to algae	no data available
Components	
Toxicity to fish	Ethanol: 96 h LC50 Pimephales promelas (fathead minnow): > 100 mg/l Glycerin: 96 h LC50 Fish: 855 mg/l Hydrogen peroxide: no data available
Persistence & degradability	Readily biodegradable
Bioaccumulative potential	no data available
Mobility in soil	no data available
Other adverse effects	no data available

## Section 13: DISPOSAL CONSIDERATIONS

Disposal methods:	Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible, recycling is preferred to
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**Disposal considerations:**

disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not use empty containers. Dispose of in accordance with local, provincial/state and federal regulations.

## **Section 14: TRANSPORT CONSIDERATIONS**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling and markings are in compliance with the selected mode of transport.

**Land Transport (ADR/AND/RID)**

UN number:	1170
UN proper shipping name:	ETHANOL SOLUTION
Transport hazard class(es):	3
Packing group:	II
Environmental hazards:	No
Special precautions for user:	None

**Air Transport (IATA)**

UN Number:	1170
Description of goods:	ETHANOL SOLUTION
Class:	3
Packing group:	II
Environmentally hazardous:	No

**Sea Transport (IMDG/IMO)**

UN Number:	1170
Description of goods:	ETHANOL SOLUTION
Class:	3
Packing group:	II
Marine pollutant:	No

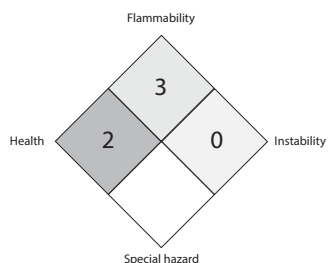
## **Section 15: REGULATORY INFORMATION**

For regulatory information, please contact your Authentic Seacoast Distilling Company Ltd sales representative.



## Section 16: OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

0 = NOT SIGNIFICANT; 1 = SLIGHT; 2 = MODERATE;  
3 = HIGH; 4 = EXTREME; \* = CHRONIC

**Notice:** 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 given is designed only as a guide for safe handling use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.