

Safety Data Sheet

Shelter Point Hand Sanitizer – WHO Formulation 1

Safety Data Sheet dated 4/14/2020, version 1

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: Shelter Point Hand Sanitizer – WHO Formulation 1

Formula number: 223035

Other means of identification:

NPN Number: 80098682

Site Licence: COV0350

Recommended use of the chemical and restrictions on use

Hand Sanitizer Only

Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party

Company: Shelter Point Distillery Corporation

4650 Regent Road, Campbell River, BC, Canada, V9H 1E3

Phone n.. +1-778-420-2200

Competent person responsible for the safety data sheet:

info@shelterpoint.ca

Emergency phone number

+1-778-420-2200

24-hour Emergency Phone:

Terrawest Environmental (24HR EMERGENCY TELEPHONE) (1-866-500-1553)

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Danger, Flam. Liq. 2, Highly flammable liquid and vapour.



Warning, Eye Irrit. 2A, Causes serious eye irritation.

Label elements

Hazard pictograms:



Danger

Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. - 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.

P280 Wear eye/face protection.

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

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

P370+P378 In case of fire, use water to extinguish.

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

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

Additional classification information

NFPA rating:



HMIS rating:

HEALTH	/	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		A

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

75% ethanol

Index number: 603-002-00-5, CAS: 64-17-5, EC: 200-578-6



B.6/2 Flam. Liq. 2 H225



A.3/2A Eye Irrit. 2A H319

Specific Concentration Limits:

C >= 50%: Eye Irrit. 2A H319

1.4% Glycerol

CAS: 56-81-5, EC: 200-289-5

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

0.1% hydrogen peroxide

Index number: 008-003-00-9, CAS: 7722-84-1, EC: 231-765-0

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 B.13/1 Ox. Liq. 1 H271

 A.1/4/Oral Acute Tox. 4 H302

 A.2/1A Skin Corr. 1A H314

 A.1/4/Inhal Acute Tox. 4 H332

US-HAE/C3 Aquatic Chronic 3 H412

Specific Concentration Limits:

C \geq 70%: Skin Corr. 1A H314

50% \leq C < 70%: Skin Corr. 1B H314

35% \leq C < 50%: Skin Irrit. 2 H315

8% \leq C < 50%: Eye Dam. 1 H318

5% \leq C < 8%: Eye Irrit. 2A H319

C \geq 35%: STOT SE 3 H335

C \geq 70%: Ox. Liq. 1 H271

50% \leq C < 70%: Ox. Liq. 2 H272

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

Protect uninjured eye.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

None

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use water to extinguish.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

N.A.

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Explosive properties: N.A.

Oxidizing properties: N.A.

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with eyes, inhalation of vapours and mists.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Conditions for safe storage, including any incompatibilities

Always keep in a well ventilated place.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Keep away from food, drink and feed.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.

Safety electric system.

Storage temperature:

Store between 15-30 C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

ethanol - CAS: 64-17-5

- OEL Type: ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

- OEL Type: OSHA PEL -- Country: UNITED STATES - TWA(8h): 1900 mg/m³, 1000 ppm

- OEL Type: NIOSH REL -- Country: UNITED STATES - TWA(Up to 10h): 1900 mg/m³, 1000 ppm

Glycerol - CAS: 56-81-5

- OEL Type: OSHA PEL -- Country: UNITED STATES - TWA(8h): 15 mg/m³ - Notes: Total dust

- OEL Type: OSHA PEL -- Country: UNITED STATES - TWA(8h): 5 mg/m³ - Notes: Respirable fraction

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hydrogen peroxide - CAS: 7722-84-1

- OEL Type: ACGIH - TWA(8h): 1 ppm - Notes: A3 - Eye, URT, and skin irr
- OEL Type: OSHA PEL -- Country: UNITED STATES - TWA(8h): 1.4 mg/m³, 1 ppm
- OEL Type: NIOSH REL -- Country: UNITED STATES - TWA(Up to 10h): 1.4 mg/m³, 1 ppm

DNEL Exposure Limit Values

ethanol - CAS: 64-17-5

- Worker Professional: 950 mg/m³ - Consumer: 114 mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- Worker Professional: 1900 mg/m³ - Consumer: 950 mg/m³ - Exposure: Human Inhalation - Frequency: Short Term, local effects
- Worker Professional: 343 mg/kg - Consumer: 206 mg/kg - Exposure: Human Dermal - Frequency: Long Term, systemic effects
- Consumer: 87 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects

PNEC Exposure Limit Values

ethanol - CAS: 64-17-5

- Target: Freshwater - Value: 0.96 mg/l
- Target: Marine water - Value: 0.79 mg/l
- Target: Microorganisms in sewage treatments - Value: 580 mg/l
- Target: Freshwater sediments - Value: 3.6 mg/kg dry weight
- Target: Marine water sediments - Value: 2.9 mg/kg dry weight
- Target: Soil - Value: 0.63 mg/kg dry weight

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

No special precaution must be adopted for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and colour:	Liquid,colourless
Odour:	N.A.
Odour threshold:	N.A.
pH:	N.A.
Melting point / freezing point:	N.A.
Initial boiling point and boiling range:	N.A.
Solid/gas flammability:	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour density:	N.A.
Flash point:	< 23 ° C
Evaporation rate:	N.A.
Vapour pressure:	N.A.
Relative density:	N.A.
Solubility in water:	N.A.
Solubility in oil:	N.A.
Partition coefficient (n-octanol/water):	N.A.
Auto-ignition temperature:	N.A.
Decomposition temperature:	N.A.

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Viscosity:	N.A.	
Miscibility:	N.A.	
Fat Solubility:	N.A.	
Conductivity:	N.A.	
Substance Groups relevant properties		N.A.

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions

Chemical stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with oxidising materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2A H319

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

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ethanol - CAS: 64-17-5

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 7060 mg/kg

Test: LD50 - Route: Oral - Species: Mouse = 8350 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 15800 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat = 51 mg/l

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Positive

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

hydrogen peroxide - Group 3.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

ethanol - CAS: 64-17-5

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish = 11200 mg/l

Endpoint: LC50 - Species: Daphnia = 12340 mg/l - Duration h: 48 - Notes: Daphnia magna

Endpoint: EC50 - Species: Algae = 275 mg/l - Duration h: 72 - Notes: Chlorella vulgaris

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 250 mg/l

Endpoint: NOEC - Species: Daphnia = 9.6 mg/l - Duration h: 240 - Notes: Daphnia magna

Persistence and degradability

ethanol - CAS: 64-17-5

Biodegradability: Readily biodegradable - %: 100

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

None

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

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UN number
ADR-UN Number: 1170
DOT number: UN1170
IATA-UN Number: 1170
IMDG-UN Number: 1170

UN proper shipping name
ADR-Shipping Name: ETHANOL SOLUTION
DOT-Shipping Name: Ethanol solutions
IATA-Shipping Name: ETHANOL SOLUTION
IMDG-Shipping Name: ETHANOL SOLUTION

Transport hazard class(es)
ADR-Class: 3
DOT Hazard Class: 3
ADR - Hazard identification number: 33
IATA-Class: 3
IATA-Label: 3
IMDG-Class: 3

Packing group
ADR-Packing Group: II
DOT Packing group: II
IATA-Packing group: II
IMDG-Packing group: II

Environmental hazards
ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
N.A.

Special precautions
DOT Special provisions: 24, IB2, T4, TP1
DOT Labels: 3
ADR-Subsidiary hazards: -
ADR-S.P.: 144 601
ADR-Transport category (Tunnel restriction code): 2 (D/E)
IATA-Passenger Aircraft: 353
IATA-Subsidiary hazards: -
IATA-Cargo Aircraft: 364
IATA-S.P.: A3 A58 A180
IATA-ERG: 3L
IMDG-EmS: F-E , S-D
IMDG-Subsidiary hazards: -
IMDG-Stowage and handling: Category A
IMDG-Segregation: -

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

SARA - Superfund Amendments and Reauthorization Act

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Section 302 - Extremely Hazardous Substances: hydrogen peroxide.

Section 304 - Hazardous substances: hydrogen peroxide.

Section 313 - Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

ethanol is listed in CAA Section 111

Glycerol is listed in CAA Section 112(b) - HON, Section 111.

CWA - Clean Water Act

CWA listed substances:

ethanol is listed in CWA Section 304.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

ethanol

Glycerol

hydrogen peroxide.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

ethanol

Glycerol

hydrogen peroxide.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

ethanol

Glycerol

hydrogen peroxide.

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H271 May cause fire or explosion; strong oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

H412 Harmful to aquatic life with long lasting effects.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

H272 May intensify fire; oxidiser.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

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Main bibliographic sources:
ECHA website

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration.
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average