

Safety Data Sheet

29 CFR 1910.1200

Printing date 03/18/2020

Version number 1

Reviewed on 03/17/2020


1 Identification


- **Product identifier**
- **Trade name:** Hand Sanitizer
- **Recommended use of the chemical and restrictions on use:**
- **Application of the substance / the preparation:** Hand Washing and sterilizing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** SHINE-MART LTD, 1 SPILSBY RD, HAROLD HILL, ROMFORD, RM3 8SB , UK
- **Phone number:** +44 1708 374500
- **Email:** info@duronic.com

- **Emergency telephone number:**
Tel: 999

- **Reference Number:** CANEC2002613501,20683293

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)
- 
 GHS02 Flame

 Flam. Liq. 2 H225 Highly flammable liquid and vapor.
- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**
- 

GHS02
- **Signal word** Danger
- **Hazard statements**
H225 Highly flammable liquid and vapor.
- **Precautionary statements**

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 protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Hazards not otherwise classified (HNOC) No further relevant information available.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

· Composition:

64-17-5	ethanol	Flam. Liq. 2, H225	75%
7732-18-5	Water		24.8972%
54182-57-9	Carbomer		0.028%
11138-66-2	Xanthan gum		0.0043%
56-81-5	Glycerol		0.0045%
85507-69-3	Aloe vera, ext.		0.012%
97-59-6	allantoin		0.007%
1406-18-4	Vitamin E		0.015%
9004-34-6	Cellulose		0.003%
63-42-3	Lactose		0.023%
196316-32-2	Alcohols, jojoba, hydrogenated		0.006%

4 First-aid measures

· Description of first aid measures

- General description: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

· Most important symptoms and effects, both acute and delayed No further relevant information available.

· Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5 Fire-fighting measures

· Suitable extinguishing agents:

- CO₂ extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture: No further relevant information available.

· Special protective equipment and precautions for firefighters
· Protective equipment: No special measures required.

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6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

· Environmental precautions: Do not allow to enter sewers/ surface or ground water.

· Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

7 Handling and storage

· Precautions for safe handling: For the general occupational hygienic measures refer to Section 8.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· Conditions for safe storage, including any incompatibilities

· Requirements to be met by storerooms and receptacles: Store in a cool location.

· Information about storage in one common storage facility: Not required.

· Further information about storage conditions:

Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

· Components with limit values that require monitoring at the workplace:

64-17-5 ethanol (75%)

PEL (USA) Long-term value: 1900 mg/m³, 1000 ppm

REL (USA) Long-term value: 1900 mg/m³, 1000 ppm

TLV (USA) Short-term value: 1880 mg/m³, 1000 ppm

56-81-5 Glycerol (0.0045%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

9004-34-6 Cellulose (0.003%)

PEL (USA) Long-term value: 15* 5** mg/m³
*total dust **respirable fraction

REL (USA) Long-term value: 10* 5** mg/m³
*total dust **respirable fraction

TLV (USA) Long-term value: 10 mg/m³

· Regulatory information

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)

REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)

TLV (USA): Guide to Occupational Exposure Values (ACGIH)

· Additional information: The lists that were valid during the creation were used as basis.

· Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure.

· Appropriate engineering controls:

Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

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See Section 7 for information about design of technical facilities.

- **Personal protective equipment:**
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **General Information**

- **Appearance:**

Form: Liquid
Color: Transparent
Odor: Alcohol taste
Odor threshold: Not available

- **pH-value:** Not available

- **Change in condition**

Melting point/Freezing point: Not available
Initial boiling point and boiling range: Not available

- **Flash point:** Not available

- **Flammability (solid, gaseous):** Not available

- **Auto-Ignition temperature:** Not available

- **Decomposition temperature:** Not available

- **Explosion limits:**

Lower: Not available
Upper: Not available

- **Vapor pressure:** Not available

- **Density:** Not available

- **Relative density:** Not available

- **Vapor density:** Not available

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· Evaporation rate:	Not available
· Solubility in / Miscibility with Water:	Not available
· Partition coefficient (n-octanol/water):	Not available
· Viscosity:	
Dynamic:	Not available
Kinematic:	Not available
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity:** Data not available
- **Chemical stability:** Data not available
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

64-17-5 ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

56-81-5 Glycerol

Oral	LD50	12,600 mg/kg (rat)
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9004-34-6 Cellulose

Oral	LD50	>5,000 mg/kg (rat)
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- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitization:** Sensitization possible.

- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, IMDG, IATA** UN1993
- **UN proper shipping name**
- **DOT** Flammable liquids, n.o.s.
- **IMDG, IATA** FLAMMABLE LIQUID, N.O.S.
- **Transport hazard class(es)**
- **DOT**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **IMDG, IATA**
- 
- **Class** 3 Flammable liquids
- **Label** 3
- **Packing group**
- **DOT, IMDG, IATA** II
- **Environmental hazards:** Not applicable
- **Special precautions for user** Warning: Flammable liquids
- **EMS Number:** F-E,S-D
- **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

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- **Transport/Additional information:**
- **DOT**
- **Quantity limitations** On passenger aircraft/rail: 5 L
On cargo aircraft only: 60 L
- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
- **UN "Model Regulation":** UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

64-17-5	ethanol	ACTIVE
63-42-3	Lactose	ACTIVE
1406-18-4	Vitamin E	ACTIVE
97-59-6	allantoin	ACTIVE
56-81-5	Glycerol	ACTIVE
11138-66-2	Xanthan gum	ACTIVE
9004-34-6	Cellulose	ACTIVE
7732-18-5	Water	ACTIVE

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

- **New Jersey Right-to-Know List:**

64-17-5 ethanol

56-81-5 Glycerol

9004-34-6 Cellulose

- **New Jersey Special Hazardous Substance List:**

64-17-5 ethanol

CA, MU, TE, F3

- **Pennsylvania Right-to-Know List:**

64-17-5 ethanol

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56-81-5	Glycerol	
9004-34-6	Cellulose	
· Pennsylvania Special Hazardous Substance List:		
None of the ingredients is listed.		
· Cancerogenity categories		
· EPA (Environmental Protection Agency)		
None of the ingredients is listed.		
· TLV (Threshold Limit Value established by ACGIH)		
64-17-5	ethanol	A3
· NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		

16 Other information

· Relevant hazard statements

H225 Highly flammable liquid and vapor.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Date of preparation / last revision 03/18/2020 / -

· Abbreviations and acronyms:

- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NIOSH: National Institute for Occupational Safety
- OSHA: Occupational Safety & Health
- Flam. Liq. 2: Flammable liquids – Category 2

End of document

USA