

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

## Sanitoor Hand sanitizer

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product form: Liquid  
Name: Sanitoor Hand sanitizer

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Main use category: Professional use  
Use of the substance/mixture: No restrictions

#### 1.3. Details of the supplier of the safety data sheet

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Flammable liquids, Category 3 H226

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP):



GHS02



GHS07

Signal word (CLP):

Warning

Hazard statements (CLP):

H226 - Flammable liquid and vapour

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary statements (CLP):

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

P261- Avoid breathing dust/fumes/gas/mist/vapours/spray

P270- Do not eat, drink or smoke when using this product

P501 - Dispose of contents/container to hazardous or special waste collection point

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

## 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## Sanitoor Hand sanitizer

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

| Name                   | Perc. | Product Identifier  | Classification EC 1272/2008 |
|------------------------|-------|---|-----------------------------|
| Ethanol, ethyl alcohol | 80,0% | Cas No. 64-17-5<br>EC no. 200.587-6                         | H226, P319                  |
| Water                  | 18,4% | Cas No. 7732-18-5<br>EINECS No. 215-185-5                   |                             |
| Hydrogen Peroxide      | 0,1%  | CAS No. 7722-84-1   | H318, P315, P226, P335,     |
| Glycerin               | 1,5%  | CAS No. 56-81-5<br>EINECS No. 200-289-5<br>EC no. 200.289.5 |                             |
|                        |       |   |                             |
|                        |       |   |                             |
|                        |       |   |                             |
|                        |       |   |                             |
|                        |       |   |                             |

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

|  |  |
|--|--|
| First-aid measures general:            | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show label).   |
| First-aid measures after inhalation:   | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if unwell.  |
| First-aid measures after skin contact: | Rinse skin with water/shower. If skin irritation persists, take medical advice.  |
| First-aid measures after eye contact:  | Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist. |
| First-aid measures after ingestion:    | Rinse mouth. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|   |  |
|---|--|
| Symptoms / injuries:                    | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms / injuries after skin contact: | Prolonged or repeated contact may cause skin to become dry or cracked.                   |
| Symptoms / injuries after eye contact:  | Symptoms/injuries after eye contact  |

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

## 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## Sanitoor Hand sanitizer

---

### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media: Do not use a heavy water stream.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapour.  
Explosion hazard: No direct explosion hazard.  
Hazardous decomposition products in case of fire: For further information, refer to section 10 : "Stability and Reactivity".

#### 5.3. Advice for fire fighters

Fire fighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.  
Protection during fire fighting: Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information: Prevent fire-fighting water from entering environment.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel. NO open flames, NO sparks, and NO smoking.

##### 6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection. For further information refer to section 8 : "Exposure-controls/personal protection".

Emergency procedures: Ventilate area.

#### 6.2. Environmental precautions

Do not allow to enter drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take up liquid spill into absorbent material. Recover mechanically the product. Notify authorities if product enters sewers or public waters.

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

Other information:

Dispose of materials or solid residues at an authorized site.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure-controls/personal protection". Concerning disposal elimination after cleaning, see item 13.

## Sanitoor Hand sanitizer

### 7. HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Concerning personal protective equipment to use, see item 8. Provide good ventilation in process area to prevent formation of vapour. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Wear personal protective equipment.

#### 7.2. Conditions for safe storage, including any incompatibilities

|                            |   |
|----------------------------|---|
| Technical measures:        | Ground/bond container and receiving equipment.  |
| Storage conditions:        | Keep only in the original container in a cool well ventilated place. Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Keep container tightly closed. |
| Heat and ignition sources: | Keep away from heat and direct sunlight.  |
| Packaging materials:       | Store in glass, stainless steel, plastic or epoxy lined receptacles.  |
| Unsuitable materials:      | copper, aluminum.   |

#### 7.3. Specific end use(s)

No additional information available

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

|                                  |                              |                        |
|----------------------------------|------------------------------|------------------------|
| Ethanol, ethyl alcohol (64-17-5) | WEL TWA (mg/m <sup>3</sup> ) | 1920 mg/m <sup>3</sup> |
|                                  | WEL TWA (ppm)                | 1000 ppm               |

#### 8.2. Exposure controls

|                                   |   |
|-----------------------------------|---|
| Appropriate engineering controls: | Ensure good ventilation of the work station.  |
| Personal protective equipment:    | Avoid all unnecessary exposure.   |
| Hand protection:                  | Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Since the product consists of several substances, it is not possible to estimate the durability of the glove material beforehand. Thus it needs to be tested before use. |
| Eye protection:                   | Safety glasses.   |
| Skin and body protection:         | Wear suitable protective clothing.  |
| Respiratory protection:           | No special respiratory protection equipment is recommended  |

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection.

Other information:

Do not eat, drink or smoke during use.

## Sanitoor Hand sanitizer

### 9. PHYSICAL AND CHEMICAL PROPERTIES

|   |                   |
|---|-------------------|
| Physical state:                             | Liquid            |
| Color:                                      | Clear , Colorless |
| Odour:                                      | Characteristic    |
| Odour threshold:                            | No data available |
| pH:   | 8                 |
| Relative evaporation rate (butylacetate=1): | No data available |
| Melting point:                              | -130 °C à -112 °C |
| Freezing point:                             | No data available |
| Boiling point:                              | > 79 °C           |
| Flash point:                                | <23 °C            |
| Auto-ignition temperature:                  | 363 °C            |
| Decomposition temperature:                  | No data available |
| Flammability (solid, gas):                  | No data available |
| Vapour pressure:                            | 3,3 – 19 % v/v    |
| Relative vapour density at 20 °C:           | 59mm Hg           |
| Relative density:                           | 0,85 kg/l         |
| Solubility:                                 | Soluble in water  |
| Log Pow:                                    | No data available |
| Viscosity, kinematic:                       | No data available |
| Viscosity, dynamic:                         | No data available |
| Explosive properties:                       | No data available |
| Oxidising properties:                       | No data available |
| Explosive limits:                           | No data available |

### 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

H226 - Flammable liquid and vapour

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

#### 10.4. Conditions to avoid

Extremely high or low temperatures. Keep out of direct sunlight. Avoid contact with hot surfaces. Heat.

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

No flames, no sparks. Eliminate all sources of ignition.

## 10.5. Incompatible materials

Strong oxidizing agents.

## 10.6. Hazardous decomposition products

Combustion generates : Carbon oxides (CO, CO<sub>2</sub>).

## Sanitoor Hand sanitizer

### 11. TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Acute toxicity: Not classified

#### **Ethanol, ethyl alcohol (64-17-5)**

LD<sub>50</sub> oral: 10470 mg/kg bodyweight

LD<sub>50</sub> dermal: 15800 mg/kg bodyweight

LC<sub>50</sub> inhalation rat (Dust/Mist - mg/l/4h) > 99999 mg/l/4h

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Not classified

Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exp.): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

### 12. ECOLOGICAL INFORMATION

#### 12.1. Toxicity

#### **Ethanol, ethyl alcohol (64-17-5)**

LC<sub>50</sub> fishes 1: 14200 mg/l

EC<sub>50</sub> other aquatic organisms 1: 5012 mg/l EC<sub>50</sub> waterflea (48 h)

EC<sub>50</sub> other aquatic organisms 2: 275 mg/l IC<sub>50</sub> algae (72 h) mg/l

#### 12.2. Persistence and degradability

#### **Ethanol Solution**

Persistence and degradability Not established.

#### 12.3. Bioaccumulative potential

#### **Ethanol Solution**

Bioaccumulative potential Not established.

#### 12.4. Mobility in soil

No additional information available

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

## 12.5. Results of PBT and vPvB assessment

### Ethanol Solution

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## 12.6. Other adverse effects

Additional information:

Avoid release to the environment

## Sanitoor Hand sanitizer

### 13. DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods


Waste disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

Additional information: Empty containers should be taken for recycle, recovery or waste in accordance with local regulation. Flammable vapours may accumulate in the container.

Ecology - waste materials: Avoid release to the environment.

### 14. TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

|                                  | ADR   | IMDG | IATA                                   | ADN | RID   |
|----------------------------------|---|------|--|-----|---|
| 14.1. UN number                  | 1170  |      |  |     |   |
| 14.2. UN proper shipping name    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)   |      | Ethyl alcohol solution                 |     | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)                 |
| Transport document description   | UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III, (D/E)                          |      | UN 1170 Ethyl alcohol solution, 3, III |     | UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, III |
| 14.3. Transport hazard class(es) | 3<br> |      |  |     |   |
| 14.4. Packing group              | III   |      |  |     |   |
| 14.5. Environmental hazards      | Dangerous for the environment : No<br>Marine pollutant : No                               |      | Dangerous for the environment : No     |     |   |

### 15. REGULATORY INFORMATION

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

# MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020

## 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

## 15.1.2. National regulations

No additional information available

## Sanitoor Hand sanitizer

---

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## 16. OTHER INFORMATION

Data sources: According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830.

Other information: REACH Disclaimer:  
This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). **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.

*This version will be valid until maximum three years after issue date.*

QHSE representative



# **MATERIAL SAFETY DATA SHEET**

According to Regulation (EC) No. 1907/2006 (REACH) with its  
amendment Regulation (EU) 2015/830

Date of Issue: 26-03-2020