

# HAND SANITISER GEL

(GB/T 16483-2008 & GB/T 17519-2013)

(GB/T 16483-2008 & GB/T 17519-2013)

## HAND SANITISER GEL

MSDS NUMBER

SDS202003302692



### 1. PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT IDENTIFIER

**Product name:** Hand Sanitiser Gel

#### RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

**Identified use:** Disinfection (hand sanitiser)

#### DETAILS OF THE SUPPLIER OF THE (M)SDS

Granville House, The Heights Business Park, Ibstone Rd, Stokenchurch, Buckinghamshire, HP14 3BG, United Kingdom

#### EMERGENCY TELEPHONE NUMBER

**Tel:** +44 3330 150701, or contact your local emergency telephone number.

#### PRODUCT INFORMATION

**Tel:** +44 3330 150701

**E-mail:** mail@sanique.co.uk

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Flammable liquid and vapour. Causes serious eye irritation. Show this safety data sheet to the doctor in attendance. Immediately flush eye(s) with plenty of water for at least 15 minutes. Rinse mouth with water.

#### GHS-CLASSIFICATION (IN ACCORDING TO CHINA GB STANDARDS (GB30000-2013))

##### Hazard classification:

- Flammable liquids, Category 3.
- Flammable liquid and vapour.
- Serious eye damage/eye irritation, Category 2A.
- Causes serious eye irritation.

## 2. HAZARDS IDENTIFICATION (CONTINUED)

### GHS-LABELLING (IN ACCORDING TO CHINA GB STANDARDS (GB30000-2013))

#### Symbol(s):



**Signal word:** Warning

#### Hazard statements:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements:

##### Prevention:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

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.

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.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

#### Storage:

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

#### Disposal:

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

#### Physical and chemical hazards:

Flammable liquid and vapour.

#### Health hazards:

Causes serious eye irritation.

#### Environmental hazards:

Not classified based on available information.

#### Other hazards which do not result in classification:

No data available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product type (substance/mixture):** Mixture

### HAZARDOUS INGREDIENTS

Chemical name	CAS-No.	Classification (GB 30000.2-29 - 2013)	Concentration
Ethanol	64-17-5	Flam. Liq. 2; H225 Eye Irrit. 2A; H319	75%
Purified water	7732-18-5	Not classified	24.13%
Triethanolamine	102-71-6	Not classified	0.3%
Acrylates/C10-30 alkyl acrylate crosspolymer	-	Not classified	0.3%
Dimethyldimethyl hydantoin	6440-58-0	Acute Tox. 4; H302	0.2%
Sorbitan monolaurate, ethoxylated	102-71-6	Not classified	0.05%
Parfum	-	Not classified	0.05%

## 4. FIRST AID MEASURES

---

### General advice:

- Move out of dangerous area.
- Consult a physician.
- Show this safety data sheet to the doctor in attendance.

### If inhaled:

- Not required under normal conditions of use.
- If breathed in, move person into fresh air.
- If not breathing, give artificial respiration.
- If symptoms persist, call a physician.

### In case of skin contact:

- Not required under normal conditions of use.
- If on skin, rinse well with soap and water.
- If symptoms persist, call a physician.

### In case of eye contact:

- Immediately flush eye(s) with plenty of water for at least 15 minutes.
- Remove contact lenses.
- Protect unharmed eye.
- If symptoms persist, call a physician.

## 5. FIRE FIGHTING MEASURES

---

### Suitable extinguishing media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Sand, dry chemical, alcohol-resistant foam and CO<sub>2</sub>.

### Unsuitable extinguishing media:

High volume water jet.

### Specific hazards during fire fighting:

FLAMMABLE. Do not allow run-off from fire fighting to enter drains or water courses.

## 6. ACCIDENTAL RELEASE MEASURES

---

### Personal precautions:

- Wear personal protective equipment.
- Avoid breathe vapour, mist and gas.
- Ensure adequate ventilation.
- Remove all sources of ignition.
- Evacuate personnel to safe areas.
- Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### Environmental precautions:

- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.

### If swallowed:

- Not required under normal conditions of use.
- Rinse mouth with water.
- Don't induce vomiting.
- If symptoms persist, call a physician.

### Symptoms:

- The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

### Risks:

- Inhalation of high concentrations of this product, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias.
- Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this product.

### Treatment:

- No hazards which require special first aid measures.

### Special protective equipment for fire fighters:

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

### Further information:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### Methods for cleaning up:

- 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).

### Additional advice:

- Comply with all applicable national and local regulations.
-

## 7. HANDLING AND STORAGE

### HANDLING

**Advice on safe handling:**

- Avoid contact with eyes.
- Do not breathe vapours or mist.
- Keep away from sources of ignition. Do not smoke.
- For personal protection see section 8.
- Dispose of rinse water in accordance with local and national regulations.

**Advice on protection against fire and explosion:**

- Take measures to prevent the build up of electrostatic charge.
- Keep away from open flames, hot surfaces and sources of ignition.

### STORAGE

**Requirements for storage areas and containers:**

- Keep container tightly closed in a dry and well-ventilated place.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Electrical installations/working materials must comply with the technological safety standards.

**Materials to avoid:**

- Strong oxidizing agents.

**Other data:**

- No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

Contains no substances with occupational exposure limit values.

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
-	-	-	-	GBZ 2.1-2007

### ENGINEERING MEASURES

Operate in accordance with good industrial hygiene and safety practices. Avoid contact with eyes.

### PERSONAL PROTECTIVE EQUIPMENT

**Hand protection:**

- Not required under normal conditions of use.
- If mass handling, wear protective gloves (Butyl rubber, nitrile rubber).

**Eye protection:**

- Not required under normal conditions of use.
- If mass handling, wear face shield and safety glasses.

**Skin and body protection:**

- Not required under normal conditions of use.
- The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures:**

- When using do not smoke.
- Keep away from food, drinks and animal feed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Gel	<b>Melting point/freezing point:</b>	-114.5°C (ethanol)
<b>Colour:</b>	Transparent	<b>Boiling point:</b>	78.3°C at 1.013 hPa (ethanol)
<b>Odour:</b>	Characteristic odour	<b>Density:</b>	0.790-0.793 g/cm <sup>3</sup> at 20°C (ethanol)
<b>Odour Threshold:</b>	No data available	<b>Water solubility:</b>	Soluble in water
<b>Flash point:</b>	No data available	<b>Partition coefficient: n-:</b>	log Pow: -0.31(ethanol) octanol/water
<b>Ignition temperature:</b>	No data available	<b>Solubility in other solvents:</b>	No data available
<b>Lower explosion limit:</b>	3.1% (V) (ethanol)	<b>Viscosity, kinematic:</b>	No data available
<b>Upper explosion limit:</b>	27.7% (V) (ethanol)		
<b>Flammability (solid, gas):</b>	Flammable		
<b>pH:</b>	No data available		

## 10. STABILITY AND REACTIVITY

---

### Hazardous reactions:

- Non-reactive under normal use, storage and transport conditions.

### Chemical stability:

- Stable under recommend storage condition.

### Conditions to avoid:

- Keep away from open flame, spark and other sources of ignition.
- Vapours may form explosive mixture with air.

### Materials to avoid:

- Strong oxidizing agents.

### Hazardous decomposition products:

- Decomposition products may include the following materials: Carbon dioxide and carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

---

### ACUTE TOXICITY

Not classified based on available information.

#### Ethanol

#### Acute oral toxicity:

- LD 50 Rat: 10470 mg/kg (male and female)
- (OECD Test Guideline 401)

#### Acute inhalation toxicity:

- LC 50 Rat: 117 - 124.7 mg/l (male and female)
- Exposure time: 4 h
- (OECD Test Guideline 403)

#### Alcohols

#### Acute oral toxicity:

- LD 50 Rat: 12700 mg/kg
- (OECD Test Guideline 401)

### SKIN CORROSION/IRRITATION

Not classified based on available information.

### SERIOUS EYE DAMAGE/EYE IRRITATION

Causes serious eyes irritation.

#### Ethanol

#### Serious eye damage/eye irritation:

- Eyes - Rabbit
- Result: Causes serious eye irritation.
- (OECD Test Guideline 405)
- Vapours may cause irritation to the eyes, respiratory system and the skin.

### RESPIRATORY OR SKIN SENSITISATION

#### Skin sensitisation

Not classified based on available information.

#### Respiratory sensitisation

Not classified based on available information.

### GERM CELL MUTAGENICITY

Not classified based on available information.

#### Ethanol

#### Germ cell mutagenicity:

- Ames test  
Salmonella typhimurium  
Result: negative
- In vitro mammalian cell gene mutation test mouse lymphoma cells  
Result: negative  
OECD Test Guideline 478
- Mouse - male  
Result: Positive results were obtained in some in vivo tests.

### CARCINOGENICITY

Not classified based on available information.

### REPRODUCTIVE TOXICITY

Not classified based on available information.

### STOT - SINGLE EXPOSURE

Not classified based on available information.

### STOT - REPEATED EXPOSURE

Not classified based on available information.

### ASPIRATION TOXICITY

Not classified based on available information.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICITY

Not classified based on available information.

#### Ethanol

##### Toxicity to fish:

- Flow-through test LC50 - Pimephales promelas (fathead minnow)
- -15.300 mg/l - 96 h
- (US-EPA)

##### Toxicity to daphnia and other aquatic invertebrates:

- Static test LC50 - Ceriodaphnia dubia (water flea) - 5.012 mg/l
- - 48h
- Remarks: (ECHA)

##### Toxicity to algae:

- Static test ErC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l
- - 72 h
- (OECD Test Guideline 201)

### PERSISTENCE AND DEGRADABILITY

#### Ethanol

##### Biodegradability:

- Aerobic - Exposure time 15 d
- Result: ca.95 % - Readily biodegradable.
- (OECD Test Guideline 301E)

##### Biochemical Oxygen Demand (BOD):

- 930 - 1.670 mg/g
- Remarks: (Lit.)

##### Theoretical oxygen demand:

- 2.100 mg/g
- Remarks: (Lit.)

### BIOACCUMULATIVE POTENTIAL

#### Partition coefficient: n- octanol/water:

- log Pow: -0.31(ethanol)

### MOBILITY IN SOIL

No data available

### OTHER ADVERSE EFFECTS

No data available

## 13. DISPOSAL CONSIDERATIONS

### General advice:

Dispose of in accordance with all applicable local, state and federal regulations.

## 14. TRANSPORT INFORMATION

### INTERNATIONAL TRANSPORT REGULATIONS

China Road (Land transport, JT/T 617-2018)

**UN Number:** 1987

**Proper Shipping Name:** ALCOHOLS, N.O.S. (Ethanol)

**Hazard classes:** 3

**Packaging group:** III

### INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG, 39-18)

**UN Number:** 1987

**Proper Shipping Name:** ALCOHOLS, N.O.S. (Ethanol)

**Hazard classes:** 3

**Packaging group:** III

**Labels:** 3

**EmS Code:** F-E, S-D

**Marine pollutant:** No

**Special provision:** 223 274

**LQ:** 5L

**EQ:** E1

### INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA DGR, 61TH EDITION)

**UN Number:** 1987

**Proper Shipping Name:** ALCOHOLS, N.O.S. (Ethanol)

**Hazard classes:** 3

**Packaging group:** III

**Labels:** Flammable liquids

**Packing instruction (cargo aircraft):** 366

**Packing instruction (passenger aircraft):** 355



## 15. REGULATORY INFORMATION

---

- Regulations on the Control over Safety of Dangerous Chemicals (Decree No. 591 of the State Council of the People's Republic of China)
- General rules for preparation of chemical safety data sheet (GB16483-2008)
- Guidance on the compilation of safety data sheet for chemical products (GB/T 17519-2013)
- Rules for classification and labelling of chemicals (GB30000-2013)
- Classification and labels of dangerous chemical substances commonly used (GB13690-2009)
- List of dangerous goods (GB12268-2012)
- Classification and code of dangerous goods (GB6944-2012)
- Occupational exposure limits for hazardous agents in the workplace - Part 1: Chemical hazardous agents (GBZ 2.1-2007)

## 16. REGULATORY INFORMATION

---

### Further information

Revision Date: 30/03/2020

### Disclaimer:

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by us to be dependable and is accurate to the best of our knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. We assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

Sanique did not test, certify, or approve the product described in this Material Safety Data Sheet (MSDS), and all information in this MSDS was provided by the supplier or was reproduced from publicly available regulatory data sources. Sanique makes no representations or warranties regarding the completeness or accuracy of the information in this MSDS and disclaims all liability in connection with the use of this information or the product described in this MSDS.

---