

HAND SANITIZER GEL

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

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MSDS NUMBER

SDS202003302692



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER

Product name: Hand Sanitizer Gel

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Identified use: Disinfection (hand sanitizer)

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 CO₂.

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

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

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