

Material Safety Data Sheet

Reference No: **DG2047741E** Date of Issue: **19-04-2020**

HYGIMED ANTISEPTIC HAND RUB GEL SANITISER

1. Identification Of Substance

Product Details

Product Name:	HYGIMED ANTISEPTIC HAND RUB GEL SANITISER
Proper Shipping Name:	ETHANOL (ETHYL ALCOHOL) or ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Other means of identification:	Barcode: 9401042737731
Product Use:	Hand Sanitizer
Date of Issue:	19-05-2020
Model No:	500ml
Manufacturer:	Suzhou Boke Enterprise Group Co., Ltd
Supplier:	Total Uniform Solutions Pty Ltd
Address:	12 Jamieson Street, Bowen Hills Queensland Australia 4006 Phone: (07) 3666 0110 Opening Hours: 8.30am – 5pm Monday – Friday
Emergency Telephone Number:	POISONS INFORMATION CENTRE Poisons Information Centre – Phone: 13 11 26 (First Aid 24 Hours)
Remarks:	The results shown in this test report refer only to the sample(s) tested; this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of the reporter and reviewer.

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2. Hazards Identification

Classification according to Regulation (EC) No. 1272/2008: Flammable liquids (Category 2)
GHS02 Flame, H225, Highly flammable liquid vapour
Serious Eye Injury/Eye Irritation – Category 2A

GHS Label elements, including precautionary statements:

Pictogram:



Signal word: Danger

Hazard statement(s): Flammable liquid and vapour. Causes serious eye irritation.

Results of acute exposure: Acute poisoning mostly occurs orally. Generally can be divided into four stages of excitement, hypnosis, anesthesia, asphyxia. Patient enters the third or fourth stage with loss of consciousness, dilated pupils, irregular breathing, shock, heart failure, and respiratory arrest.

Chronic effects: Long-term exposure to high concentrations of this product during production can cause irritation of the nose, eyes, and mucous membranes, as well as headaches, dizziness, fatigue, irritability, tremors, nausea, etc.

Other hazards: None

3. Composition/Information on Ingredients

COMPOSITION:

Wash-free Hand Sanitizer	Chemical Name	Content (%)	CAS No.
	Water	18.025	7732-18-5
	Alcohol, Flam. Liq. 2, H225, GHS02, Danger	80	64-17-5
	Glycerin	1.45	56-81-5
	Ammonium Acryloyldimethyltaurate/beheneth-25 Methacrylate Crosspolymer	0.4	1219698-43-7
	Hydrogen Peroxide	0.125	7722-84-1

Substances Mixtures

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4. First Aid Measures

Skin contact:	In case of exposure to the sample, take off the contaminated clothes and flush with plenty of water. Seek medical attention if swelling, redness, blisterness or irritation occurs.
Eye contact:	In case of the sample contact with eyes, rinse immediately with plenty of water. Before rinsing, remove contact lenses. Do not rub eyes. Seek medical attention.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing first aid to give mouth to mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain open airway. Loosen tight clothing such as collar, tie, belt or waistband.
Ingestion:	Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

5. Fire Fighting Measures

Extinguishing media:	Misty water, foam, dry powder, CO ₂ , etc.
Special hazards arising from the substance or mixture:	It is flammable, and its vapor can form explosive mixture with air. It can cause explosion when exposed to open flame and high heat energy. Contact with an oxidant to cause a chemical reaction or cause combustion. In a fire scene, heated containers are at risk of explosion. Its vapor is heavier than air, and can spread to a relatively low place at a lower place.
Advice for firefighters:	Firefighters must be equipped with filtermask (full mask) or isolated breathing apparatus. Firefighters must wear the clothes which can defence the fire and the toxic gas. Put out fire in upwind direction. Spraying water on the product in the fireplace to keep them cool until finish extinguishment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid breathing the sample vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up:	Ensure adequate ventilation. Collect the waste in proper close containers.
Reference to other sections:	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling:	Operators must be trained technically and comply with the operation procedures strictly. Keep away from heat source and open flame. Equip with corresponding varieties and number of fire equipment and emergency equipment.
Conditions for safe storage, including any incompatibilities:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Separated from oxidant, acid and alkali. Equip with corresponding varieties and number of fire equipment and emergency equipment.

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8. Exposure Controls, Personal Protection

Control parameters:	Australia Exposure Standards. Ingredient: Ethanol. Material name: Ethyl alcohol. TWA: 1880mg/m ³ / 1000 ppm. STEL: Not available. Peak: Not available. Notes: Not available.
Monitoring Method:	No information is available.
Appropriate Engineering Controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use only with appropriate ventilation, such as process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any statutory limits. Keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Respiratory Protection:	Generally, no special protection is required. Filter-type gas masks (half-masks) can be worn when exposed to high concentration.
Eyes/face Protection:	Generally, no special protection is required. Safety glasses with side shields can be worn when exposed to high concentration.
Body Protection:	General protection and hygiene measures. Follow general precautions for handling chemicals. Stay away from food and drinks. Avoid eye contact.
Hands Protection:	Handle with gloves.
Other Protections:	None

9. Physical and Chemical Properties

Appearance:	Transparent/clear gel
Odour:	Characteristic odour
Odour threshold:	No information is available
pH value:	6-8
Boiling point: / Boiling range (°C):	No information is available
Melting point / Freezing point (°C):	No information is available
Flashpoint (°C):	21°C
Flammability:	Highly flammable
Upper and lower explosive limit (%)	No information is available
Decomposition temperature:	No information is available
Oxidising properties:	No information is available
Solubility in water:	Easily soluble in cold and hot water
Partition coefficient (n-octanol / water):	No information is available
Viscosity:	No information is available
Particle size:	No information is available
Volatile organic compound content:	No information is available
Percentage volatile:	No information is available
Saturated vapour concentration:	No information is available
Vapour pressure:	Not applicable
Vapour density:	No information is available

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Relative density:	0.87 to 0.9
Evaporation rate:	No information is available
Ignition temperature:	No information is available

10. Stability and Reactivity

Reactivity:	Stable at room temperature
Chemical stability:	Stable under recommended storage conditions
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Avoid all possible sources of ignition (spark or flame)
Incompatible materials:	Strong oxidants, acids, anhydrides, alkali metals, amines.
Hazardous decomposition products:	Carbon dioxide

11. Toxicological Information

Acute Toxicity:	Ethanol (CAS no. 64-17-5) LD50: 7060 mg / kg (rat oral) LD50: No information available LC50: 39mg/L (mouse inhalation) Hydrogen Peroxide (CAS no. 7722-84-1) LD50: 2000mg / kg (mouse oral) LD50: 12000mg/kg (mouse percutaneous) LC50: 39mg/L (rat inhalation) Glycerin (CAS no. 56-81-5) LD50: 12600 mg / kg (rat oral) LD50: >10000mg/kg (rabbit percutaneous) LC50: No information available
Sub-acute and Chronic Toxicity:	No information is available
Irritation:	Serious eye damage and irritation may occur
Sensitisation:	No information is available
Mutagenicity:	No information is available
Carcinogenicity:	No information is available
Reproductive toxicity:	No information is available
Specific target organ toxicity – single exposure:	No information is available
Specific target organ toxicity – repeated exposure:	No information is available
Aspiration hazard:	No information is available.
Others:	Ethanol may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

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12. Ecological Information

Eco-toxicity: This substance may be harmful to the environment. Special attention should be paid to water bodies.

Ingredient	CAS No.	Fish	Crustaceans	Algae
Glycerin	56-81-5	LC50: 68100mg/L (96h)	No information available	No information available
Hydrogen Peroxide	7722-84-1	LC50: 24.4mg/L (96h)	EC50: 13.2mg/L (48h)	EC50: 5.74mg/L (96h)
Ethanol	64-17-5	LC50: 11000mg/L (96h)	EC50: 9950mg/L (48h)	No information available

Persistence and degradability: No information is available

Bioaccumulative potential: No information is available

Mobility in soil: No information is available

Results of PBT and vPvB assessment: No information is available

Other adverse effects: None

13. Disposal Considerations

Nature of waste: Please refer to relevant national and local regulations before disposal.

Waste disposal methods: Refer to national or local regulations before handling. Burial in a landfill specifically licenced to accept chemical and/or pharmaceutical wastes or incineration in a licenced apparatus.

Attention abandoned: Undiluted product cannot enter the sewer system.

14. Transport Information

UN Number: 1170

Transport hazard class: Class 3

Packing Group (PG): II

Label:



HAZCHEM: •2YE

Environmental hazards: Not applicable

Proper shipping name: Ethanol or Ethanol Solution

Packaging mark: No information is available

Packaging method: Sealed airtight packing

Transport fashion: By sea, by air

Special precautions: Examine whether the packages are sealed before transport to avoid collapse, fall or damage during the course of transportation. Prevent the product from sun exposure, rain and high temperatures. Keep away from fire and heat sources. It is strictly prohibited to mix and transport with oxidants and acids. When shipping, it should be isolated from the engine room, power source and fire source. When transporting by road, follow the prescribed route.

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15. Regulatory Information

Standard Uniform Schedule of Medicine and Poisons (SUSMP): Not scheduled

EN1500: Developed in compliance with EN1500 Testing Standard for alcohol-based hand sanitizers

Regulatory Information: ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

REGULATION (EU) No 453/2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

The International Maritime Dangerous Goods (IMDG) Code

International Air Transport Association (IATA) Dangerous Goods Regulations 61st, 2020

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

The Regulations Concerning the International Transport of Dangerous Goods by Rail (RID)

US Department of Transportation (DOT)

Globally Harmonised System of Classification and labelling of Chemicals (GHS)

16. Additional Information

The above information is based on the data that the client supplied of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the result of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for this particular purpose.