No.: 2020001291 bE

Safety Data Sheet

Sample Name: HAND SANITIZER GEL

Effective Date: 2020-3-19

Compiler:

Checker:

Approver:

Guangdong Institute of Analysis(China National Analytical Centre, Guangzhou)

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Safety Data Sheet

HAND SANITIZER GEL

1. Product and Manufacturer Identification

Product name	HAND SANITIZER GEL		
Manufacturer/Supplier	ZHONGSHAN S.JANE BIOTECHNOLOGY CO., LTD.		
Address	Part 2, No.3, Chuangying Road, Xiaolan Town, Zhongshan, Guangdong, China		
Telephone	+86-760-22233328	**Fax.**	+86-760-22232701
Email	738357767@qq.com	**Post code**	528416
SDS No.	2020001291 bE	**Effective date**	March 19, 2020
Emergency phone	+86-760-22233328	**Contact person**	He Yuewen

2. Hazards Identification

GHS Hazard Class	Flammable liquids (Category 2)
Pictogram and signal word	 **Danger**
Hazard statement	H225 Highly flammable liquid and vapour.
Precautionary statement(s)	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof electrical/ventilating/lighting equipment. P242 Use non-sparking tools. P243 Take action to prevent static discharges. 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 [or shower]. P370 + P378 In case of fire: Use water spray/dry powder/sand/water-resistant foam/carbon dioxide to extinguish. P403 + P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/container to the licensed disposal company.
Explosion hazards	May cause fire or explosion when exposed to high heat or flame.

* Classification according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (8th revised edition).

3. Composition/Information on Ingredients

Component	Range % by Wt.	CAS No.
Alcohol/ethanol	62	64-17-5
Aqua/water	36	7732-18-5
Glycerin	1.5	56-81-5
Carbomer	0.25	76050-42-5
Triethanolamine	0.25	102-71-6

4. First Aid Measures

Skin contact	Rinse with plenty water. If experiencing skin symptoms, consult a physician.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye symptoms, consult a physician.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, consult a physician.
Ingestion	Rinse mouth and give large quantities of water to drink. If feel unwell, consult a physician.

5. Fire Fighting Measures

Types of hazard	Highly flammable liquid and vapor! May release vapors and form explosive mixtures. May cause fire or explosion when exposed to high heat or flame. Contact with strong oxidizers may cause chemical reaction even fire. Containers can build up pressure if exposed to heat and/or fire. Vapors are heavier than air, can flow along surfaces to distant ignition source and flash back.
Hazardous combustion products	Carbon oxides and other toxic/irritating fumes.
Fire-fighting measures	Move the containers to open ground. Use water spray to reduce the temperature of the fireground and containers until the fire is extinguished. Suitable extinguishing medial: Water spray, dry powder, sand, water-resistant foam, carbon dioxide, etc.
Special Information	Use self-contained breathing apparatus and wear protective clothing. Avoid contact with eyes and skin.

6. Accidental Release Measures

Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Removal of ignition sources. Use non-sparking tools and equipment. Wear self-contained positivepressure breathing apparatus and anti-static clothes. Soak up the leakage with inert absorbent material and recover into the suitable, closed containers for disposal. Flush the contaminated area with plenty water. Avoid release to environment.

7. Handling and Storage Measures

Handling	Keep containers tightly closed when not in use. Ensure good ventilation/exhaustion at the workplace. Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools. Avoid static discharges. Keep away from sources of ignition or heat. No smoking.
Storage	Stored in a cool, dry, ventilated area and equipped with adequate fire fighting equipments.

8. Exposure Controls / Personal Protection

Occupational exposure limits	Component	CAS No.	Limited Values
	Ethanol	64-17-5	1000 ppm TWA (OSHA) 1900 mg/m^3 TWA (OSHA) 1000 ppm TWA (ACGIH) 1900 mg/m^3 TWA (NIOSH)
	Glycerol (mist)	56-81-5	15 mg/m^3 (total) TWA (OSHA) 5 mg/m^3 (resp) TWA (OSHA) 10 mg/m^3 TWA (ACGIH)
	Triethanolamine	102-71-6	5 mg/m^3 TWA (ACGIH)
Engineering controls	Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools. In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if the workers experiencing symptoms, a local exhaust system should be considered. Maintain eye wash fountain and quick-drench facilities in work area.		
Inhalation protection	If the exposure level is high and engineering controls are not feasible, a half facepiece or full-face piece particulate respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.		
Eye protection	Use safety goggles or face protections to protect against possible eye exposure.		
Skin protection	Wear protective gloves and anti-static clothing.		
Other protection	No information.		

9. Chemical and Physical Properties

Appearance and odor	Colorless viscous liquid, with weak odor.
pH	≈ 7
Relative density (water=1)	≈ 0.90
Solubility	Miscible with water.
Flash point	22℃ (Closed Cup)
Flammability	Flammable liquid (Category 2).
Explosive properties	Not classified as explosive substance.
Oxidizing properties	Not classified as oxidizing substance.
Main purpose	Hand cleaning.
Other properties	No data available.

10. Stability and Reactivity

Stability	Stable under ordinary conditions of use and storage.
Incompatibilities	Strong oxidizers, alkali metal.
Conditions to avoid	High heat, flame.
Hazardous polymerization	No data available.
Hazardous decomposition	Exposure to heat and flame may cause fire/explosion and release carbon oxides and other toxic/irritating fumes.

11. Toxicological Information

Acute toxicity	Ethanol (CAS No. 64-17-5): LD50 Oral - Rat - > 5000 mg/kg LD50 Dermal - Rabbit - > 5000 mg/kg Glycerol (CAS No.56-81-5): LD50 Oral - Rat - > 5000 mg/kg LD50 Dermal - Rabbit - > 2000 mg/kg Triethanolamine (CAS No. 102-71-6): LD50 Oral - Rat - > 5000 mg/kg
Skin irritation/corrosion	No data available.
Eye damage/irritation	No data available.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.

Carcinogenicity	The substance is not listed in IARC (International Agency for Research on Cancer) Category.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	May be harmful if the liquid entered the respiratory tract.
Health hazards	Skin Contact: May cause mild irritation. Eye Contact: May cause irritation. Inhalation: May causes respiratory tract irritation. Excessive inhalation may cause headache, fatigue and drowsiness. Ingestion: May be harmful if swallowed. May cause burning sensation, headache, confusion, dizziness and unconsciousness.
Other toxicity	No data available.

12. Ecological Information

Ecological toxicity	Ethanol (CAS No. 64-17-5): Toxicity to fishes LC50 - Pimephales promelas - 14200 mg/L - 96 h Toxicity to daphnia and other aquatic invertebrates LC50 - Ceriodaphnia dubia - 5012 mg/L - 48 h NOEC - Daphnia magna - 9.6 mg/L - 9 d Toxicity to algae EC50 - Chlorella vulgaris - 275 mg/L - 72 h Triethanolamine (CAS No. 102-71-6): Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia - 609.98 mg/l - 48 h
Persistence and degradability	Ethanol (CAS No. 64-17-5): Readily biodegradable. Triethanolamine (CAS No. 102-71-6): Readily biodegradable.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Others	No data available.

13. Disposal Information

Disposal measures	Offer surplus and non-recyclable solutions to a licensed disposal company.
Notes	Local disposal regulations may differ from Chinese regulations. Dispose in accordance with local country or state.

14. Transportation Information

Regulations	IATA DGR (61st Edition)	IMDG Code (2018 Edition)
UN No.	UN1170	UN1170
Proper Shipping Name	Ethanol solution	Ethanol solution
Hazard Class/Division	3	3
Packing Group	II	II
Packing Method	Y341, 353, 364	P001, IBC02, T4, TP1
Environmental hazards	Not regulated as environmentally hazardous substance/marine pollutants.	
Notes	No information.	

15. Regulatory Information

Domestic authority regulations:
Regulations on the Safety Administration of Dangerous Chemicals (2011).
This substance is listed in General rule for classification and hazard communication of chemicals (GB 13690-2009).

International Regulations:
Commission Regulation (EC) No. 1907/2006 (REACH) and its amendments.
Commission Regulation (EC) No. 1272/2008 (CLP) and its amendments.
Waste Framework Directive 2008/98/EC and its amendments.
Toxic Substance Control Act (TSCA).

16. Other Information

According to	Safety Data Sheet for Chemical Products-Content and Order of Sections (ISO 11014: 2009)
Issue date	March 19, 2020
Prepared and checked by	Department of Physical Properties Test, China National Analytical Center, Guangzhou
Other information	——

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