

# Safety Data Sheet


## Gel Hand Sanitizer



### 1. Product and Manufacturer Identification

<b>Product name</b>	Gel Hand Sanitizer		
<b>Recommended Use</b>	Hand Sanitizer		
<b>Restricted Use</b>	All uses not indicated on product label. External use only.		
<b>Manufacturer/Supplier</b>	3W Healthcare Ltd.		
<b>Address</b>	755 Queensway East #5, Mississauga, L4Y 4C5 Ontario, Canada		
<b>Telephone</b>	+1 905-766-9587		
<b>Email</b>	info@3WHealthcare.com	<b>Website</b>	www.3Whealthcare.ca
<b>SDS No.</b>	2020002384-5e	<b>Effective date</b>	April 27, 2020
<b>Emergency phone</b>	+1800-856-2832 (24 Hour)	<b>Revision date</b>	Feb 27,2021

### 2. Hazards Identification

<b>GHS Hazard Class</b>	Flammable liquids (Category 3) Eye Irritation (Category 2A)
<b>Pictogram and signal word</b>	 Danger
<b>Hazard statement</b>	H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation.
<b>Precautionary statement(s)</b>	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.
<b>Explosion hazards</b>	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	Composition	CAS No.
Alcohol	60%-80% [v/v]	64-17-5
Glycerin	0.2%-2.5 % [v/v]	56-81-5
Carbomer	0.2%-0.4 % [v/v]	9007-16-5
2-Amino-2-methyl-1-propanol	0.02%-0.04 % [v/v]	124-68-5
Aloe Vera	0.01%[w/v]	85507-69-3
Vitamin E	0.01%[w/v]	7695-91-2
Water	Balance	7732-18-5

### 4. First Aid Measures

<b>Skin contact</b>	Rinse with plenty water. If experiencing skin symptoms, consult a physician.
<b>Eye contact</b>	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.
<b>Inhalation</b>	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory Symptoms, consult a physician.
<b>Ingestion</b>	Rinse mouth and give large quantities of water to drink. If you feel unwell, consult a physician immediately.

### 5. Fire Fighting Measures

<b>Types of hazard</b>	May cause fire or explosion when exposed to high heat or flame.
<b>Hazardous combustion products</b>	Carbon oxides and other toxic/irritating fumes.
<b>Fire-fighting measures</b>	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.
<b>Special Information</b>	Use self-contained breathing apparatus and wear protective clothing. Avoid contact with eyes and skin.

### 6. Accidental Release Measures

<p>Isolate the hazard area and keep unnecessary and unprotected personnel from entering</p> <p>Removal of ignition sources. Use non-sparking tools and equipment.</p> <p>Wear self-contained positive pressure breathing apparatus and anti-static clothes.</p> <p>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.</p>
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### 7. Handling and Storage Measures

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

## 8. Exposure Controls / Personal Protection

	Component	CAS No.	Limited Values
Occupational exposure limits	Alcohol	64-17-5	1000 ppm TWA (OSHA) 1900 mg/m <sup>3</sup> TWA (OSHA) 1000 ppm TWA (ACGIH) 1900 mg/m <sup>3</sup> TWA (NIOSH)
	Glycerol (mist)	56-81-5	15 mg/m <sup>3</sup> (total) TWA (OSHA) 5 mg/m <sup>3</sup> (resp) TWA (OSHA) 10 mg/m <sup>3</sup> 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	Colorless viscous liquid
Odor	Weak alcohol-like
pH	≈ 7
Relative density (water=1)	≈ 0.87
Solubility	Miscible with water.
Flash point	22°C (Closed Cup).
Flammability	Flammable liquid (Category 2).
Explosive properties	Not classified as explosive substance.
Oxidizing properties	Not classified as oxidizing substance.
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

<b>Acute toxicity</b>	Alcohol (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 2-Amino-2-methyl-1-propanol (CAS No.124-68-5): LD50 Oral-Rat -> 2000 mg/kg LD50 Dermal -Rabbit -> 2000 mg/kg
<b>Skin irritation/corrosion</b>	No data available.
<b>Eye damage/irritation</b>	No data available.
<b>Respiratory or skin sensitization</b>	No data available.
<b>Reproductive cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	The substance is not listed in IARC (International Agency for Research on Cancer) Category.
<b>Reproductive toxicity</b>	No data available.
<b>STOT-single exposure</b>	No data available.
<b>STOT-repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	May be harmful if the liquid entered the respiratory tract
<b>Health hazards</b>	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.
<b>Other toxicity</b>	No data available.

## 12. Ecological Information

<b>Ecological toxicity</b>	Alcohol (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
<b>Persistence and degradability</b>	Ethanol (CAS No. 64-17-5): Readily biodegradable.
<b>Bioaccumulation</b>	No data available
<b>Mobility in soil</b>	No data available.
<b>Others</b>	No data available.

## 13. Disposal Information

<b>Disposal measures</b>	Offer surplus and non-recyclable contents/containers to a licensed disposal company.
<b>Notes</b>	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	Alcohol solution	Alcohol 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**

<p>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).</p> <p>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 2008/981EC and its amendments. Toxic Substance Control Act (TSCA).</p>
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**16. Other Information**

Issue date	April 27, 2020
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