


## MATERIAL SAFETY DATA SHEET

### Rinse Free Hand Sanitizer

#### 1. PRODUCT AND MANUFACTURER IDENTIFICATION

Product name: Rinse Free Hand Sanitizer  
 Manufacturer/Supplier: Saniflex PTY LTD  
 Address: 2-4 Tarnard Drive, Braeside 3195, Victoria, Australia  
 Telephone: +61 3 9532 7065  
 Email: info@saniflex.com.au  
 Post code: 3195  
 SOS No.: 202004-1SX  
 Effective date: March 25, 2020  
 Emergency phone: +61 405 832 471

#### 2. HAZARDS IDENTIFICATION

GHS Hazard Class	Flammable liquids (Category 3)
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 OHS (Globally Harmonized System of Classification and Labelling of Chemicals) (8th revised edition).

### 3. MATERIAL / COMPOSITION INFORMATION

CHEMICAL INGREDIENTS	CONTENT (%)	CAS NO.
ALCOHOL (ETHANOL)	.75 (v/v)	64-17-5
GLYCERIN	0.2%	56-81-5
C10 30 ALKYL ACRYLATE CROSSPOLYMER	0.4(%)	9007-16-3
AMINOMETHYL PROPANOL	0.4(%)	12-46-85
ALOE BARBADENSIS EXTRACT	0.1(%)	8001-97-6
WATER	Purify	7732-18-5

### 4. FIRST AID MEASURES

Skin contact	Rinse with plenty of water. If skin symptoms develop, consult a physician.
Eye contact	Rinse thoroughly with water for several minutes. Remove contact lenses, if present. Continue rinsing. If eye symptoms persist, consult a physician.
Inhalation	If experiencing respiratory symptoms, consult a physician.
Ingestion	Rinse mouth and drink large quantities of water. If symptoms persist, consult a physician.

### 5. FIRE FIGHTING MEASURES

Types of hazard	May cause fire or explosion when exposed to high heat or flame.
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.
Special Information	Suitable extinguishing media: Water spray, dry powder, sand, water-resistant foam, carbon dioxide, etc. 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. 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

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	Component	CAS No.	Limited Values
Occupational exposure limits	Ethanol	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	<p>Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools. In general, dilution ventilation is a satisfactory health hazard control for this substance.</p> <p>However, if the workers experiencing symptoms, a local exhaust system should be considered. Maintain eye wash fountain and quick-drench facilities in work area.</p>		
Inhalation protection	<p>If the exposure level is high and engineering controls are not feasible, a half-facepiece or full-facepiece 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.</p> <p>WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.</p>		
Eye protection	<p>Use safety goggles or face protections to protect against possible eye exposure.</p>		
Skin protection	<p>Wear protective gloves and anti-static clothing.</p>		
Other protection	<p>No information.</p>		

## 9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance and odor	Colorless viscous liquid, with weak odor.
pH	≈ 7
Relative density (water=1)	≈ 0.89
Solubility	Miscible with water.
Flash point	21 °C (Closed Cup)
Flammability	Flammable liquid (Category 3).
Explosive properties	Not classified as explosive substance.
Oxidizing properties	Not classified as oxidizing substance.
Main purpose	Skin disinfection.
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 2-Amino-2-methyl-1-propanol (CAS No.124-68-5): LD50 Oral - Rat - → 2000 mg/kg LD50 Dermal - Rabbit - → 2000 mg/kg
Skin irritation/corrosion	No data available
Eye damage/irritation	No data available
Respiratory or skin sensitization	No data available
Reproductive 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.

## 11. TOXICOLOGICAL INFORMATION CONTINUED

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 LC50 - Ceriodaphnia dubia - 5012 mg/L - 48 h and other aquatic invertebrates NOEC - Daphnia magna - 9.6 mg/L - 9 d Toxicity to algae EC50 - Chlorella vulgaris - 275 mg/L - 72 h
Persistence and degradability	Ethanol (CAS No. 64-17-5): 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 contents/containers to a licensed disposal company.
Notes	Disposal: Characteristic hazardous waste-flammable liquid. Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with local, state and federal regulations or recycled/reconditioned at an

## 14. TRANSPORTATION INFORMATION

REGULATIONS	IATA DGR (61st edition)	IMDG Code (2018 Edition)
UN No.	UN1170	UN1 170
Proper Shipping Name	Ethanol solution	Ethanol solution
Hazard Class/Division	3.1	3.1
Packing Group	II	II
Packing Method	Y34I, 353, 364	P00I, IBC02, T4, TPL
Environmental Hazards	Not regulated as environmentally hazardous substance/marine pollutants.	
Notes	No information.	

## 15. REGULATORY INFORMATION

### COUNTRY OF ORIGIN 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).

### AUSTRALIAN REGULATIONS POISONS SCHEDULE:

Poisons Schedule - N/A

## 16. OTHER INFORMATION

According to	Safety Data Sheet for Chemical Products-Content and Order of Sections (ISO 11014: 2009)
Issue date	March 25, 2020
Prepared and checked by	Department of Physical Properties Test, China National Analytical Center, Guangzhou
Other information	Product considered safe if used as intended. Do not allow smoking in areas where alcohol is used, handled or stored