

MATERIAL SAFETY DATA SHEET

# Hand Sanitiser

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SECTION 1.

## Identification of the Substance and Supplier

PRODUCTS APPLICABLE	Hand Sanitiser 5L
PRODUCT USE	Hand sanitising
SUPPLIER	Simms Jones Ltd, 217 Lichfield St, Christchurch
PHONE	(03) 366 5769
FAX	(03) 365 4727
E-MAIL	cleanser@simmsjones.co.nz
EMERGENCY CONTACT	Craig Keenan 027 291 6181

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SECTION 2.

## Hazards Identification

### HAZARDS

Flammable liquids Category 2, Serious eye damage/eye irritation Category 2A, Skin corrosion/irritation Category 3

### HAZARD STATEMENTS

Danger. Highly flammable liquid and vapour. Causes eye irritation. Causes mild skin irritation.

### PREVENTION STATEMENTS

Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Read label before use. Take precautionary measures against static discharge. Use explosion-proof electrical equipment. Use only non-sparking tools. Ground/bond container and receiving equipment.

### RESPONSE STATEMENTS

If medical advice is needed, have product container or label at hand.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

IF ON SKIN (or hair): Allow to evaporate

IF SWALLOWED: Call a poison centre or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

### STORAGE STATEMENTS

Store locked up. Store in a well-ventilated place. Keep cool.

### DISPOSAL STATEMENT

Triple rinse empty container before offering for recycling or disposal.

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**SECTION 3.****Composition and Information on Ingredients**

INGREDIENT	PROPORTION	CAS NUMBER
Isopropyl Alcohol	77% v/v	67-63-0

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**SECTION 4.****First Aid Measures**

<b>IF IN EYES:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>IF ON SKIN (or hair):</b>	Allow to evaporate.
<b>IF SWALLOWED:</b>	Call a poison centre or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

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**SECTION 5.****Fire-Fighting Measures**

<b>EXTINGUISHING MEDIA</b>	Foam, carbon dioxide, dry powder, or water spray
<b>COMBUSTION PRODUCTS</b>	Carbon dioxide and water
<b>FIRE-FIGHTING PROCEDURES</b>	Use a flame-retardant coat, helmet with face shield, gloves, rubber boots, and a self-contained breathing apparatus.

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**SECTION 6.****Accidental Release Measures**

<b>EMERGENCY PROCEDURES</b>	Remove all ignition sources
<b>ENVIRONMENTAL PRECAUTIONS</b>	No special precautions required
<b>SPILL CONTROL</b>	Ventilate area. Remove ignition sources. Wear protective equipment. Apply sand or inert absorbent material. Sweep up and dispose.

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**SECTION 7.****Handling and Storage****HANDLING PRECAUTIONS**

Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Read label before use. Take precautionary measures against static discharge. Use explosion-proof electrical equipment. Use only non-sparking tools.

**STORAGE**

Store locked up. Store in a well-ventilated place. Keep cool.

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## SECTION 8.

### Exposure Controls/Personal Protection

EXPOSURE LIMITS	8 h TWA = 490 mg/m <sup>3</sup> Isopropyl Alcohol 15 min STEL = 980 mg/m <sup>3</sup> Isopropyl Alcohol
ENGINEERING CONTROLS	Ensure ventilation is adequate
RESPIRATORY PROTECTION	Full-face-piece positive-pressure air-supplied respirator
PROTECTIVE GLOVES	Not Applicable
EYE PROTECTION	Not Applicable

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## SECTION 9.

### Physical and Chemical Properties

APPEARANCE	Green gel
ODOUR	Mild alcohol
ODOUR THRESHOLD	Not Available
pH	Not Applicable
MELTING POINT/FREEZING POINT	-88.5°C
INITIAL BOILING POINT	82°C
FLASH POINT	12°C (closed cup)
FLAMMABILITY	Flammable
LOWER FLAMMABILITY LIMIT	2% by volume
UPPER FLAMMABILITY LIMIT	12.7% by volume
VAPOUR PRESSURE	Not Determined
VAPOUR DENSITY	2.1
RELATIVE DENSITY	0.86 at 20°C
SOLUBILITY	Completely miscible with water
PARTITION CO-EFFICIENT: n-OCTANOL/WATER	Not Determined
AUTO-IGNITION TEMPERATURE	399°C
DECOMPOSITION TEMPERATURE	Not Determined
KINEMATIC VISCOSITY	Not Determined

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## SECTION 10.

### Stability and Reactivity

REACTIVITY	Reacts with strong oxidisers and peroxides
STORAGE CONDITIONS	Store locked up. Store in a well-ventilated place. Keep cool.
INCOMPATIBLE SUBSTANCES	Strong oxidisers, peroxides, acids, acetylene, chlorinr, ethylene oxide, sulphuric acid, isocyanates, and aluminium
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon

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## SECTION 11.

### Toxicological Information

<b>ACUTE TOXICITY</b>	May cause nausea, stomach pain, and vomiting
<b>SKIN CORROSION/IRRITATION</b>	Causes mild skin irritation
<b>SERIOUS EYE DAMAGE/IRRITATION</b>	Causes serious eye irritation
<b>RESPIRATORY OR SKIN SENSITISATION</b>	No sensitisation
<b>GERM CELL MUTAGENICITY</b>	No data available
<b>CARCINOGENICITY</b>	Not carcinogenic
<b>REPRODUCTIVE TOXICITY</b>	No reproductive toxicity
<b>SPECIFIC TARGET ORGAN TOXICITY</b>	
-SINGLE EXPOSURE	Respiratory tract irritation
-REPEATED EXPOSURE	No specific organ toxicity
<b>ASPIRATION HAZARD</b>	May be harmful if swallowed and enters airways

#### ISOPROPYL ALCOHOL TOXICITY

##### ORAL

STUDY: Mouse, LD<sub>50</sub>

VALUE: 3600 mg/kg

SOURCE: HYSAAV. (V/O Mezhdunarodnaya Kniga, 113095 Moscow, USSR) V.1- 1936- (43(1), 8, 1978). [RTECS]

##### SKIN IRRITATION

SPECIES: Rabbit

RESULT: Mild

REFERENCE SOURCE: National Technical Information Service. (Springfield, VA 22161). (AD-A106-944). [RTECS]

##### EYE IRRITATION

SPECIES: Rabbit

RESULT: Mild. Graded 4 on scale of 1-10 (10 being the most severe) after 24 hrs.

REFERENCE SOURCE: Grant, W.M. Toxicology of the Eye. 3rd ed. Springfield, IL: Charles C. Thomas Publisher, 1986. 539]

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## SECTION 12.

### Ecological Information

<b>BIODEGRADABILITY</b>	Rapidly Degradable
<b>BIOACCUMULATIVE POTENTIAL</b>	Not Bioaccumulative
<b>MOBILITY IN SOIL</b>	Not Determined

#### ECOTOXICITY

STUDY: Western mosquitofish (*Gambusia affinis*), 96 h, LC<sub>50</sub>

VALUE: >1400 mg/L

STUDY: Water flea (*Daphnia magna*), 24 h, LC<sub>50</sub>

VALUE: 10,000 mg/L

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## SECTION 13.

### Disposal Considerations

<b>DISPOSAL</b>	Triple rinse empty container before offering for recycling or disposal.
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#### SECTION 14.

### Transportation Information

UN NUMBER	1219
SHIPPING NAME	Isopropyl Alcohol
DANGEROUS GOODS CLASS	Flammable liquids Category 2
UN PACKING GROUP	PG II
ENVIRONMENTAL HAZARDS	Not Environmentally Hazardous
SPECIAL PRECAUTIONS	No special precautions required

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#### SECTION 15.

### Regulatory Information

HSNO APPROVAL NUMBER	HSR002552
SPECIAL REQUIREMENTS	Not Applicable

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#### SECTION 16.

### Other Information

Date Issued: 10-11-2020

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#### ABBREVIATIONS

##### **15 min STEL (Short-Term Exposure Limit)**

The airborne concentration of a substance calculated as a time-weighted average over 15 minutes which must not be exceeded at any time during a normal eight-hour workday. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

##### **8 h TWA (Time-Weighted Average)**

The time-weighted average airborne concentration of a substance when calculated over an eight-hour working day for a five-day working week.

##### **LC50 (Lethal Concentration 50%)**

The concentration of a drug, antibody, or toxicant that kills half of a population.

##### **LD<sub>50</sub> (Lethal Dose 50%)**

The amount of a drug, antibody or toxicant that kills half of a population.

##### **RTECS**

Registry of Toxic Effects of Chemical Substances

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