

# Medent Medical

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: Barrs Hand Sanitiser  
Product Code:  
Product Use: **Liquid Hand Sanitizer**

New Zealand Supplier: **Medent Medical**  
Address: **17 Exeter St  
Levin  
Horowhenua**

Telephone: 04 527 7702  
**Emergency Telephone: 04 527 7702**

Date of MSDS Preparation: **1 March 2020 – version 1**

### Section 2. Hazards Identification

**This substance is classified as a dangerous good according to NZS5433: 2012**

**This substance is hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001***

**EPA Approval Code: Cosmetic Products Group Standard 2017 - HSR002552**

Pictogram:



Flammable Liquid

HSNO Classification	Hazard Code	Hazard Statement
3.1B	H225	Highly flammable liquid and vapour.
6.4A (mild irritant)	H320	Causes eye irritation.

#### **Prevention** **Code**

#### **Prevention Statement**

P103	Read label before use.
P210	Keep away from heat/sparks/open flames/hot surfaces
P233	Keep container tightly closed
P241	Use explosion-proof electrical/ventilating/lighting/equipment in bulk
P242	Use only non-sparking tools for bulk transfer and handling
P243	Take precautionary measures against static discharge for bulk handling
P264	Wash hands thoroughly after handling.
P280	Wear gloves and eye protection

**Response Code****Response Statement**

P303+P361+P353

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P370+P378

In case of fire: Use water, foam, dry chemicals etc for extinction

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313

If eye irritation persists: Get medical advice/attention.

**Storage Statement**

P403+P235

Store in a well-ventilated place. Keep cool

**Disposal Code****Disposal Statement**

P501

Do not reuse empty containers. Triple rinse and then recycle.

**Section 3. Composition / Information on Ingredients**

Ingredients	Wt%	CAS NUMBER.
Isopropyl Alcohol	73-75%	67-63-0
Aqua	23-26%	7732-18-5
Glycerol	1-2%	56-81-5
Hydrogen Peroxide	0.05-0.2%	7722-84-1

**Section 4. First Aid Measures**

Routes of Exposure:

**If in Eyes**

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing holding the eyelids open. If eye irritation continues seek medical advice or attention.

**If on Skin**

Do not apply to open wounds and avoid broken skin where possible

**If Swallowed**

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth. Seek medical attention if feeling unwell.

**If Inhaled**

Not a likely route of exposure

**Equipment at the Warehouse or bulk handling site:** Eye wash facilities**Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Flammable liquid
<b>Hazards from decomposition products</b>	None
<b>Suitable Extinguishing media</b>	All extinguishing media e.g. Water, foam, dry chemicals, etc.
<b>Precautions for firefighters and special protective clothing</b>	No special precautions
<b>HAZCHEM CODE</b>	2YE

<b>Section 6.</b>	<b>Accidental Release Measures</b>
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**Land Spill or Leaks**

Wear PPE as per Section 8: Mop up area and wash residues and small spillages away to drain with water. For large spills, absorb with sand or similar, collect and place in sealable containers for disposal. Caution: Spill site may be slippery.

<b>Section 7.</b>	<b>Handling and Storage</b>
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**Precautions for safe handling for bulk use:**

- Read label before use.
- Keep away from heat/sparks/open flames/hot surfaces
- Keep container tightly closed
- Use explosion-proof electrical/ventilating/lighting/equipment in bulk
- Use only non-sparking tools for bulk transfer and handling
- Take precautionary measures against static discharge for bulk handling
- Wash hands thoroughly after handling.
- Wear gloves and eye protection

**Conditions for safe storage for bulk use:**

- Store in closed containers under dry conditions.
- Keep separate from strong acids and oxidizing substances.
- Store in a well-ventilated place. Keep cool.

<b>Section 8</b>	<b>Exposure Controls / Personal Protection</b>
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**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	CAS # (a)	TWA		STEL	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Isopropyl Alcohol	67-63-0	400ppm		500 ppm	

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). *The 15minute average exposure standard.* Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WESSTEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.

**Engineering Controls:**

Adequate ventilation required

**Personal Protective Equipment:**

Use chemical safety goggles for bulk liquid handling where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## Section 9 Physical and Chemical Properties

Physical State: Liquid  
Colour: Clear  
Odour: Alcohol like  
pH: 6.5-7.5  
Solubility: completely water soluble  
Relative Vapour Density (air=1): > 1  
Boiling point: 80-95°C  
Freezing Point: -30 °C  
Melting Point: Not applicable  
Specific Gravity: 0.85  
Flash Point: 18°C  
Viscosity at 25 °C: 1.5 - 4.0 cP

## Section 10. Stability and Reactivity

Chemical Stability: Stable under normal conditions of handling and storage  
Conditions to Avoid: Heat, flames & ignition sources. Avoid contact with eyes.  
Incompatibility: Acids, strong oxidizing agents, halogenated compounds, acid anhydrides  
Hazardous Decomposition Products: None under normal use

## Section 11 Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

For Isopropyl Alcohol (finished product contains concentration at 75%):

LD<sub>50</sub> oral rat: 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s));

LD<sub>50</sub> dermal rabbit: 16400 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 14 day(s));

LC<sub>50</sub> inhalation rat: > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Dermal, 14 day(s));

For Hydrogen peroxide (finished product contains concentration at 0.125%):

LD<sub>50</sub> oral rat: 1,193 - 1,270 mg/kg (H<sub>2</sub>O<sub>2</sub> 35 %)

LD<sub>50</sub> dermal rabbit: > 2,000 mg/kg (H<sub>2</sub>O<sub>2</sub> 35 %)

LC<sub>50</sub> inhalation rat: 4h > 0.17 mg/l, Remarks: vapour (H<sub>2</sub>O<sub>2</sub> 50 %)

## Section 12. Ecotoxicological Information

**Environmental Precautions** This product is not hazardous to the environment under normal use

## Section 13. Disposal Considerations

Do not reuse empty containers. Triple rinse and then recycle or crush to go to a landfill

## Section 14 Transport Information

This substance is classified as a dangerous good according to NZS5433: 2012

### Road and Rail Transport

UN No	1219
Class-primary	3
Packing Group	II

Proper Shipping Name      Isopropanol solution  
HAZCHEM Code              2Y (E)

Marine Transport

UN No                              1219  
Class-primary                  3  
Packing Group                II  
Proper Shipping Name      2Y (E)

Air Transport

UN No                              1219  
Class-primary                  3  
Packing Group                II  
Proper Shipping Name      Isopropanol solution

<b>Section 15</b>	<b>Regulatory Information</b>
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EPA Approval Code: **Cosmetic Products (subsidiary) Group Standard 2006 - HSR 002552**

HSNO Classifications: Flammable Liquid 3.1B, eye irritant 6.4A

<b>Section 16</b>	<b>Other Information</b>
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Please contact the New Zealand proprietor, Medent Medical, 04 527 7702 if further information is required.

Issue Date:                      1 March 2020

Review Date:                    1 March 2025