

**HANDS FIRST**

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

<b>Product Name</b>	Hands First
<b>Product Code</b>	-
<b>Other Names</b>	-
<b>Product Use</b>	Waterless hand sanitiser
<b>Company Name</b>	Moonscape Waterless Pty Ltd
<b>Address</b>	12 Bunbury Road Port Noarlunga SA 5167
<b>Telephone Number</b>	08 8327 2220
<b>Emergency Telephone</b>	0433 681 247

**2. HAZARDS IDENTIFICATION**

**NON HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.**  
Not classified as hazardous according to the criteria of Safe Work Australia

<b>Hazards</b>	-
<b>Risk Phrases</b>	-
<b>Safety Phrases</b>	-

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Ingredient (common name)</b>	<b>CAS Number</b>	<b>Proportion</b>
Benzalkonium chloride	8001-54-5	0.13%

**4. FIRST AID MEASURES**

<b>Inhalation</b>	Not applicable.
<b>Ingestion</b>	No adverse effects expected. However if any symptoms occur seek medical attention.
<b>Skin</b>	No adverse effects expected. If any symptoms occur, wipe off affected area and wash with soap and water.
<b>Eyes</b>	In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms persist.

**5. FIRE FIGHTING MEASURES**

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

<b>Suitable Extinguishing Media</b>	Any suited to the surrounding fire.
<b>Hazardous Combustion Products</b>	No information available.
<b>Firefighting Equipment</b>	Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.
<b>Unusual Fire or Explosion Hazards</b>	No information available.
<b>Hazchem Code</b>	Not applicable.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills</b>	Collect as much material as possible into container. Use absorbent material to absorb remaining product and dispose of. Wash down spill area.
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## 7. HANDLING AND STORAGE

<b>Handling</b>	No specific handling requirements.
<b>Storage</b>	Store in original packaging at room temperature.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure Standards (Safe Work Australia)</b>	No exposure standards set.
<b>Engineering Controls</b>	No information available
<b>Respiratory Protection</b>	No respiratory protection necessary.
<b>Eye Protection</b>	No eye protection necessary.
<b>Skin Protection</b>	No skin protection necessary.
<b>Hygienic Practices</b>	No information available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Slight almond odour
<b>Solubility in water</b>	Soluble
<b>Boiling Point / Range</b>	No information available
<b>Freezing / Melting point</b>	No information available
<b>Vapour Pressure</b>	No information available
<b>Vapour Density (Air = 1)</b>	No information available
<b>Specific Gravity</b>	No information available
<b>pH</b>	4.5-5.0
<b>Flash Point</b>	Not flammable
<b>Flammable Limit – Lower</b>	Not applicable
<b>Flammable Limit – Upper</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at ambient temperature and under normal conditions of use.
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition Products</b>	No information available
<b>Hazardous Polymerization</b>	No information available
<b>Conditions to Avoid</b>	No information available

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicity</b>	<b>Benzalkonium chloride:</b> Oral LD <sub>50</sub> (rat) = 240mg/kg Oral LD <sub>50</sub> (women) = 266mg/kg (lowest published toxic dose)
<b>Routes of Exposure</b>	Inhalation, ingestion, eye and skin
<b>Health effects from likely routes of exposure</b>	Inhalation: No adverse effects expected. Ingestion: No adverse effects expected. Eye: May cause eye irritation. Skin: No adverse effects expected.
<b>Effects of Overexposure</b>	No information available
<b>Existing Conditions</b>	No information available
<b>Aggravated by Exposure</b>	
<b>Carcinogenicity</b>	No information available

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No information available
<b>Mobility</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods and containers</b>	Dispose according to applicable local and state government regulations.
<b>Special precautions for landfill or incineration</b>	Please consult your state Land Waste Management Authority for more information

## 14. TRANSPORT INFORMATION

Not classified as a dangerous good according to the Australian Code for the Transport of Dangerous goods by road or rail.

<b>UN Number</b>	Not applicable
<b>Proper Shipping Name</b>	Not applicable
<b>Dangerous Goods Class</b>	Not applicable
<b>Hazchem Code</b>	Not applicable

**Packing Group** Not applicable  
**Special Precautions** Not applicable

**15. REGULATORY INFORMATION**

Benzalkonium chloride is listed in the Australian Inventory of Chemical Substances (AICS).

**16. OTHER INFORMATION**

**Last Revision of MSDS** Rev 1.2 (29/05/2012)  
**Prepared by** MSDS.COM.AU Pty Ltd [www.msds.com.au](http://www.msds.com.au)

**Abbreviations Used** IARC: International Agency for Research on Cancer  
STEL: Short term exposure limit  
TWA: Time weighted average

**Emergency Contacts**

**Moonscape Waterless Pty Ltd** 08 8327 2220  
**Moonscape Waterless Pty Ltd – Emergency Number** 0433 681 247  
**Police and Fire Brigade** 000  
**Poisons Information Centre** 13 11 26

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Please read instructions / label before using product.

This MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]