# PRODUCT SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Commercial Product Name:** Dettol Healthy Touch Moisturizing Hand Sanitizer

**Formula Number:** 1681-151 (0323749) Aloe & Chamomile

**Recommended use:** Antiseptic

**Supplier:**

AUSTRALIA
Reckitt Benckiser (Australia) Pty Limited
44 Wharf Road, West Ryde NSW 2114
TEL: (02) 1800 022 046

NEW ZEALAND
Reckitt Benckiser (New Zealand) Limited
Lincoln Manor
289 Lincoln Road
Henderson, Auckland 1231
TEL: (09) 0800 40 30 30

**Manufacturer:**

Reckitt Benckiser Healthcare Manufacturing (Thailand) Ltd.
65 moo 12 Lardkrabang-Bangplee Rd Bangplee
Samutprakarn 10540
THAILAND.
Tel: 662 337 3620
Fax: 662 337 3630

**Emergency Telephone Number:**
After Hours (5 pm to 8 am EST Australia): +61 (02) 9857 2444

**POISONS CENTRE INFORMATION**

Australia - 13 11 26
New Zealand - 0800 764 766 or 0800 POISON

**Australian Business Number (ABN):** 17 003 274 655
2. HAZARDS IDENTIFICATION

Non-Hazardous Substance According to Criteria of NOHSC Australia
Dangerous good according to ADG code

R -phrase(s)  
R11 - Highly flammable

S -phrase(s)  
S2 - Keep out of the reach of children
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Proportion (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>&gt; 60 %</td>
</tr>
</tbody>
</table>

Other ingredients: The other ingredients to 100% w/w are classified as not hazardous according to NOHSC (Australia)

4. FIRST AID MEASURES

General Advice  
Immediate medical attention is not required. If any symptoms persist, call a physician. Show the container and / or this safety data sheet to the doctor in attendance.

Skin Contact  
Wash off immediately with plenty of water. If skin irritation persists, call a physician.

Eye Contact  
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Inhalation  
Move to fresh air. If symptoms develop or persist, seek medical advice.

Ingestion  
If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Call a physician or Poison Control Center immediately.

Notes to Physician  
Treat symptomatically. Contains Denatured Ethyl Alcohol. Ingestion may result in ethanol poisoning.

Protection of First-aiders  
Use personal protective equipment.
5. FIRE-FIGHTING MEASURES

Flash point: 19.0 °C (66.2°F)
Suitable Extinguishing Media: As suitable for the surrounding fire.
Unsuitable Extinguishing media: No information available.
Specific Hazards Arising from the Chemical: Flammable. May be ignited by heat, sparks or flames. Keep product and empty container away from heat and sources of ignition. Thermal decomposition can lead to release of irritating gases and vapors.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus and protective clothing appropriate for fighting a chemical fire.
Precautions for fire-fighting: Standard procedure for chemical fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition.
Environmental Precautions: Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.
Methods for Cleaning up: Small spills: Dilute with water and mop up, or absorb with an inert material and place in an appropriate waste disposal container.
Large spills: Contain and collect for later disposal according to local, provincial, state or federal regulations.
Methods for Containment: Prevent further leakage or spillage if safe to do so.

7. HANDLING AND STORAGE

Handling: Ensure adequate ventilation. For external use only. Avoid contact with eyes. Wear personal protective equipment. Keep away from heat, sparks and open flame. - No smoking.
Storage: Store in original container in areas inaccessible to small children and pets. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures below 30°C. Keep away from heat and sources of ignition. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards: Exposure Standards have been set for the following ingredients:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Australian Workplace Exposure Standards</th>
<th>New Zealand Workplace Exposure Standards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol 64-17-5</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³</td>
<td>TWA: 1000 ppm TWA: 1800 mg/m³</td>
</tr>
</tbody>
</table>

SDS Number: D0330132 Version No.: 1 Validation/Revision Date 19-Apr-2011
TWA - The Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers.

STE L (Short Term Exposure Limit) – the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers.

**Biological Limit Values**

No biological limit values allocated.

**Engineering Controls:**

Ensure adequate ventilation, especially in confined areas.

**Personal Protection**

The recommendations for personal protection given in this section of the safety data sheet are relevant for handling and usage of large quantities of unpacked material only.

**Eye Protection:**

If splashes are likely to occur, wear: Safety glasses with side-shields.

**Hand Protection:**

Wear suitable gloves

**Skin and Body Protection:**

In case of continuous exposure or occupational operations, wear lightweight protective clothing.

**Respiratory Protection:**

For Occupational exposures, where exhaust ventilation is not adequate to control contaminant levels to below the regulatory TWA, appropriate acid gas or self-contained breathing apparatus (SCBA) respiratory equipment should be worn.

**Hygiene Measures:**

Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:**

Liquid.

**Appearance:**

Gel

**Colour:**

White

**Odour:**

Alcoholic Characteristic of variant

**pH**

4.00 - 5.50

**Boiling Point/Range:**

No information available

**Solubility:**

Water solubility: soluble.

**Specific Gravity / Density [g/mL]:**

0.86 - 0.90

**Flash Point:**

19.0 °C / 66.2°F
10. STABILITY AND REACTIVITY

Stability  Stable under normal conditions.
Conditions to Avoid:  Store away from excessive heat and moisture.
Keep away from open flames, hot surfaces and sources of ignition.
Temperatures above 30°C.
Materials to Avoid:  Do not mix with other household chemicals.
Hazardous Decomposition Products:  Oxides of carbon and unknown organic compounds.
Polymerization:  Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

PRODUCT TOXICITY DATA

LD50 Oral:  No information available
LD50 Dermal:  No information available
LC50 Inhalation (Dust):  No information available
LC50 Inhalation (Vapor):  No information available

ACUTE EFFECTS

Eye Irritation:  None expected during normal conditions of use.
May cause eye irritation upon direct contact with eyes.
Skin Irritation  None expected during normal conditions of use.
Inhalation  None expected during normal conditions of use.
Ingestion:  Health injuries are not known or expected under normal use.
Contains denatured ethyl alcohol.
May be harmful or fatal if swallowed. See Section 4 for First Aid Instructions.
Sensitization  Not expected to be a skin sensitizer.
Chronic Effects  No information available
Specific Effects
Carcinogenic Effects:  Not listed as carcinogenic by OSHA, NTP or IARC.
Mutagenic Effects  No information available.
Reproductive Toxicity:  No information available.
Additional Toxicity Information:  Information is based on available component data.

COMPONENT TOXICITY DATA

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>LD50 Oral - with units - Rat - mg/kg</th>
<th>LD50 Dermal - with units - Rat/Rabbit - mg/kg</th>
<th>LC50 Inhalation - with units - Rat/Rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>7060 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The ecotoxicity of this product has not been determined. However, the following component information is available.

**COMPONENT ECOTOXICITY DATA**
The following component ecotoxicity data was considered to determine the overall ecotoxicity of this product.

*Ethanol - 64-17-5*

<table>
<thead>
<tr>
<th>Component</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshwater Fish</td>
<td>LC50 96 h Oncorhynchus mykiss 12.0-16.0 ml/L</td>
</tr>
<tr>
<td></td>
<td>LC50 96 h Pimephales promelas &gt;100 mg/L</td>
</tr>
<tr>
<td></td>
<td>LC50 96 h Pimephales promelas 13400-15100 mg/L</td>
</tr>
<tr>
<td>Microtox</td>
<td>EC50 = 35470 mg/L 5 min</td>
</tr>
<tr>
<td>Water Flea</td>
<td>LC50 48 h 9268 - 14221 mg/L</td>
</tr>
<tr>
<td></td>
<td>EC50 24 h 10800 mg/L</td>
</tr>
<tr>
<td></td>
<td>EC50 48 h 2 mg/L</td>
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</tbody>
</table>

**SUMMARY OF PRODUCT ECOTOXICITY DATA**

Ecotoxicity: This product is not classified as an environmental hazard.

### 13. DISPOSAL CONSIDERATIONS

- **Disposal Methods and Containers:** Bulk quantities of product must be disposed of according to Local, State and Federal regulations.
- **Special Precautions for Landfill or Incineration:** No information available.
### 14. TRANSPORT INFORMATION

**General remarks**
For long distance transport of bulk material or shrink pallet take into consideration sections 7 and 10.

**ICAO**
See IATA

**IATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No:</td>
<td>UN1170</td>
</tr>
<tr>
<td>Proper shipping name:</td>
<td>Ethanol Solution</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>Subsidiary Class</td>
<td>Not applicable</td>
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<tr>
<td>Packing group:</td>
<td>II</td>
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**IMDG / IMO**

<table>
<thead>
<tr>
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</tr>
<tr>
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<td>UN1170</td>
</tr>
<tr>
<td>Packing Group</td>
<td>II</td>
</tr>
<tr>
<td>EmS:</td>
<td>F-E, S-D</td>
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<tr>
<td>Special Provisions</td>
<td>Not applicable</td>
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</table>

**RID**
See ADR

**ADR**

<table>
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<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Proper shipping name:</td>
<td>Ethanol solution</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>UN-No:</td>
<td>UN1170</td>
</tr>
<tr>
<td>Packing group:</td>
<td>II</td>
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<tr>
<td>Classification Code</td>
<td>F1</td>
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<tr>
<td>ADR/RID-Labels</td>
<td>3 (if not LQ)</td>
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<tr>
<td>ADR/RID Limited Qty</td>
<td>5L</td>
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</table>

**ADN**

**ADG (Australian Road and Rail)**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proper Shipping Name</td>
<td>Ethanol Solution (Ethyl alcohol Solution)</td>
</tr>
<tr>
<td>Hazard Class</td>
<td>3</td>
</tr>
<tr>
<td>Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>UN-No</td>
<td>UN1170</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

Symbol(s) F - Highly flammable

R -phrase(s) R11 - Highly flammable

S -phrase(s) S 2 - Keep out of the reach of children
S25 - Avoid contact with eyes
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 - If swallowed, seek medical advice immediately and show this container or label

Regulatory Status

Poisons Schedule No. (SUSDP) Australia: Not scheduled

AICS Complies

New Zealand This product has been approved under HSNO covered by Cosmetics Products Group Standard 2006 HSR002552

Approved Handler Not required.

Tracking Not required.
16. OTHER INFORMATION

Key:
- ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
- AICS = Australian Inventory of Chemical Substances
- EC50 = median effective concentration
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- IMO = International Maritime Organization
- LC50 = concentration required to kill 50% of test organisms.
- LD50 = dose required to kill 50% of test organisms.
- NOHSC = National Occupational Health and Safety Commission (Australia)

Reason for revision: New product

Prepared by:
- Reckitt Benckiser
- Regulatory, Safety & Environmental Services (Australia)
- Phone: +61 2 9857 2000

Validation/Revision Date 19-Apr-2011

This MSDS has been prepared according to the National Code of Practice for the Preparation of Safety Data Sheets 2nd Edition [NOHSC:2011(2003)].

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End of Safety Data Sheet