SAFETY DATA SHEET
Dettol Healthy Touch Hand Sanitising Wipes, Refresh

1. Identification of the material and supplier

Names
Product name: Dettol Healthy Touch Hand Sanitising Wipes, Refresh
SDS no.: D0245494
Formulation #: Premix #0308465 (FF0308464)
Supplier: AUSTRALIA
Reckitt Benckiser (Australia) Pty Limited
ABN: 17 003 274 655
44 Wharf Road, West Ryde NSW 2114
Tel: +61 (0)2 9857 2000

NEW ZEALAND
Reckitt Benckiser (New Zealand) Limited
2 Fred Thomas Drive,
Takapuna, Auckland 0622
Tel: +64 9 484 1400

Manufacturer: CHINA
Reckitt Benckiser China
34 East Beijining Road
Shashi, Jingzhou City 434001
P. R. China
+86 (0)716 831 2655

Emergency telephone number: (5 pm - 8 am EST Australia): +61 (02) 9857 2444
New Zealand: (09) 484 1400

Poison Information contact: Australia - 13 11 26
New Zealand - 0800 764 766 or 0800 POISON

Material uses: Hand Sanitiser.

2. Hazards identification

Statement of hazardous/dangerous nature: NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.

Classification: Not regulated.
Risk phrases: Not classified
Safety phrases: Keep out of reach of children.
Avoid contact with eyes.
For external use only.

3. Composition/information on ingredients

Mixture: Yes.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS number</th>
<th>Proportion % w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl), hydrochloride</td>
<td>32289-58-0</td>
<td>&lt; 0.3%</td>
</tr>
<tr>
<td>Propane-1,2-diol</td>
<td>57-55-6</td>
<td>&lt; 5</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>63449-41-2</td>
<td>&lt; 0.1</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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4. First-aid measures

First-aid measures

Inhalation: Move exposed person to fresh air. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed.

Ingestion: Call medical doctor or poison control centre immediately. Wash out mouth with water.

Skin contact: Get medical attention if symptoms occur.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Advice to doctor: Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

Special exposure hazards: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

No specific fire or explosion hazard.

Hazardous thermal decomposition products: Decomposition products may include the following materials:
- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides
- Halogenated compounds

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill: Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. Handling and storage

Handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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7. Handling and storage

**Storage**
- Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls/personal protection

**New Zealand**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>propane-1,2-diol</td>
<td>NZ OSH (New Zealand, 12/2011).</td>
</tr>
<tr>
<td></td>
<td>WES-TWA: 10 mg/m³ 8 hour(s). Form: Particulate</td>
</tr>
<tr>
<td></td>
<td>WES-TWA: 150 ppm 8 hour(s). Form: Vapor and particulates</td>
</tr>
<tr>
<td></td>
<td>WES-TWA: 474 mg/m³ 8 hour(s). Form: Vapor and particulates</td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures**
- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.

**Manufacturer: Exposure controls**

**Engineering measures**
- No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eyes**
- Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

**Hands**
- Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Respiratory**
- Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Skin**
- Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Environmental exposure controls**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and chemical properties

**Physical state**
- Solid. [Presaturated Wipes]

**Colour**
- Clear. liquid /White. Presaturated Wipes

**Odour**
- Characteristic.

**Boiling point**
- Not available.

**Melting point**
- Not available.

**Vapour pressure**
- Not available.

**Date of issue**
- 27/08/2015.

9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Closed cup: &gt;65.56°C (&gt;150°F)</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>5 to 5.5 [Conc. (% w/w): 10%]</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical stability</td>
<td>The product is stable.</td>
</tr>
<tr>
<td>Possibility of hazardous reactions</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td>Conditions to avoid</td>
<td>No specific data. Do not allow to enter drains or watercourses.</td>
</tr>
<tr>
<td>Materials to avoid</td>
<td>Do not mix with Other Products</td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

11. Toxicological information

### Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane-1,2-diol</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>20800 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>20 g/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>1420 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>20800 mg/kg</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane-1,2-diol</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>100 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Child</td>
<td>-</td>
<td>96 hours 30 Percent continuous</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Human</td>
<td>-</td>
<td>168 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Human</td>
<td>-</td>
<td>72 hours 104 milligrams Intermittent</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Woman</td>
<td>-</td>
<td>96 hours 30 Percent</td>
<td>-</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Eye</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Not available.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitiser</td>
<td>Not available.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mutagenicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conclusion/Summary</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Carcinogenicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conclusion/Summary</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Reproductive toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conclusion/Summary</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Teratogenicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conclusion/Summary</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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11. Toxicological information

**Conclusion/Summary**

Not available.

**Potential acute health effects**

**Inhalation**

Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.

**Ingestion**

No known significant effects or critical hazards.

**Skin contact**

No known significant effects or critical hazards.

**Eye contact**

No known significant effects or critical hazards.

**Potential chronic health effects**

**Chronic toxicity**

No available.

**Chronic effects**

No known significant effects or critical hazards.

**Carcinogenicity**

No known significant effects or critical hazards.

**Mutagenicity**

No known significant effects or critical hazards.

**Teratogenicity**

No known significant effects or critical hazards.

**Developmental effects**

No known significant effects or critical hazards.

**Fertility effects**

No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

Not available.

12. Ecological information

**Ecotoxicity**

No known significant effects or critical hazards.

**Aquatic ecotoxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyiminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl), hydrochloride (1:?)</td>
<td>Acute EC50 0.18 ppm Fresh water</td>
<td>-</td>
<td>48 hours</td>
</tr>
<tr>
<td>propane-1,2-diol</td>
<td>Acute LC50 25.45 ppb Fresh water</td>
<td>-</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 &gt;1000 mg/L Fresh water</td>
<td>-</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1020000 ug/L Fresh water</td>
<td>-</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 710000 ug/L Fresh water</td>
<td>-</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 310 ug/L Fresh water</td>
<td>-</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

**Other ecological information**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>propane-1,2-diol</td>
<td>-0.92</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

**Other adverse effects**

No known significant effects or critical hazards.

13. Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

**Product**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Waste packaging should be recycled.

**Hazardous waste**

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

**Packaging**

Methods of disposal

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions**

This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

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14. Transport information

<table>
<thead>
<tr>
<th>Regulation</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADG</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>Not regulated.</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

PG*: Packing group

15. Regulatory information

**Standard for the Uniform Scheduling of Medicines and Poisons**
- Poison schedule (Australia): Not scheduled
- Australia inventory (AICS): Not all components listed.
- New Zealand Inventory of Chemicals (NZIoC): Not all components listed.
- HSNO Group Standard: Cosmetic Products Standard
- HSNO Approval Number: HSR002552
- Approved Handler Requirement: No.
- Tracking Requirement: No.

16. Other information

**Abbreviations and acronyms**
- ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
- HSNO = Hazardous Substances and New Organisms Act 1996 (New Zealand)
- IATA = International Air Transport Association
- IMDG = International Maritime Dangerous Goods
- N.O.S. = Not otherwise specified
- NOHSC = National Occupational Health and Safety Commission (Australia)

**Date of issue / Date of revision**: 27/08/2015
**Version**: 2
**Revision Comments**: Update NZ new address & phone number.

![Indicates information that has changed from previously issued version.]

**Disclaimer**
To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.
Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.