Material Safety Data Sheet

Product Name: PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID
Company Name: Colgate-Palmolive Pty Ltd (ABN 002 792 163)
Address: Australia: Level 14, 345 George Street, Sydney NSW 2000 Australia
Emergency Tel.: AUS 1800 636 556, NZ: 0800 764766
Telephone/Fax Number: Tel: AUS (02) 9229 5600 NZ: 04 576 6700
Fax: AUS (02) 9229 5700, NZ: 04 568 8835
Recommended Use: Hand dishwashing liquid.

2. HAZARDS IDENTIFICATION

Hazard Classification: Not classified as hazardous according to criteria of NOHSC.
Non-Hazardous Substance.
Non-Dangerous Goods.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium laureth</td>
<td>9004-82-4</td>
<td>10-&lt;25 %</td>
<td></td>
</tr>
<tr>
<td>sulfate</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cocoamidopropylbe</td>
<td>61789-40-0</td>
<td>0-&lt;10 %</td>
<td></td>
</tr>
<tr>
<td>taine</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>0-&lt;5 %</td>
<td></td>
</tr>
<tr>
<td>Isothiazolinones</td>
<td>55965-84-9</td>
<td>&lt;0.001 %</td>
<td></td>
</tr>
</tbody>
</table>

Other Information: New Zealand Address: Level 4, 45 Knights Road, Lower Hutt.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Keep at rest until recovered. If symptoms persist seek medical attention.

Ingestion: Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.

Skin: Wash affected area thoroughly with water. If irritation develops discontinue the use and seek medical attention.

Eye: If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

First Aid Facilities: Normal washroom facilities.

Advice to Doctor: Treat symptomatically.

Other Information: For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Non-combustible liquid. Use extinguishing media suitable for surrounding environment.

Hazards from Combustion Products: Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of sulphur.

Specific Hazards: This product is non-combustible. However, following evaporation of aqueous component under fire conditions, the non-aqueous component may decompose and/or burn.

Precautions in connection with Fire: Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed...
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6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Slippery when spilled. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
No special precautions for home use except avoid eye and skin contact. Industrial applications: Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage
No special precautions for home use. Industrial applications: Store in a cool, dry well-ventilated area away from heat, oxidising agents and, out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
No exposure value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC), Australia. However, the available exposure limits for ingredients are listed below:

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ppm</td>
<td>mg/m³</td>
</tr>
<tr>
<td>Ethanol</td>
<td>1000</td>
<td>1880</td>
</tr>
</tbody>
</table>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (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 workday.

Biological Limit Values
No biological limit allocated.

Engineering Controls
No special engineering controls required for home use. Industrial applications: Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory Protection
No special engineering controls required for home use. Industrial applications: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
No special engineering controls required for home use. Industrial applications: Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection
Wear impervious gloves e.g. PVC, nitrile rubber or butyl rubber gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection
No special engineering controls required for home use. Industrial applications: Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
Blue or yellow viscous liquid.
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Not classified as hazardous according to criteria of NOHSC.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use and storage.

Conditions to Avoid: Not available

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide, oxides of nitrogen and oxides of sulphur.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

Skin: May be irritating to skin of sensitive individuals. The symptoms may include redness and itching.

Eye: May be irritating to eyes. The symptoms may include redness, blurred vision and tearing.

Chronic Effects: Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity: No ecological data are available for this material.

Persistence / Degradability: Not available

Mobility: Not available

Bioaccumulative Potential: Not available

Environment Protection: Prevent large quantities of this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations: The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION
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Transport Information:
- Road and Rail Transport:
- Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Regulatory Information:
- Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
- Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule:
- Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS:
- MSDS Reviewed: October 2011
- Supersedes: December 2010

Contact Person/Point:
- 24Hr Emergency Response:
  - Australia: 1800 638 556
  - New Zealand: 0800 764 766

...End Of MSDS...