1. Identification

GHS Product Identifier

PALMOLIVE NATURALS SHAMPOO - HEALTHY ENDS

B05814620003

Company Name

Colgate-Palmolive Pty Ltd (ABN 002 792 163)

Address

Australia: Level 14, 345 George Street, Sydney NSW 2000 Australia

Telephone/Fax Number

Tel: AUS (02) 9229 5600 NZ: 04 576 6700

Fax: AUS (02) 9229 5700, NZ: 04 568 8835

Emergency phone number

AUS 1800 638 556, NZ: 0800 764766

Recommended use of the chemical and restrictions on use

Hair shampoo.

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

2. Hazard Identification

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

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></td>
<td>Ammonium laureth sulfate</td>
<td>32612-48-9</td>
<td>10–&lt;20 %</td>
</tr>
<tr>
<td></td>
<td>Siloxanes and silicones, dimethyl</td>
<td>63148-62-9</td>
<td>1–&lt;10 %</td>
</tr>
<tr>
<td></td>
<td>Ammonium Lauryl Sulfate</td>
<td>2235-54-3</td>
<td>1–&lt;10 %</td>
</tr>
<tr>
<td></td>
<td>Cocamide DEA</td>
<td>61791-31-9</td>
<td>1–&lt;10 %</td>
</tr>
<tr>
<td></td>
<td>Ammonium sulphate</td>
<td>7783-20-2</td>
<td>0–&lt;1 %</td>
</tr>
<tr>
<td></td>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>0–&lt;1 %</td>
</tr>
<tr>
<td></td>
<td>Tetrasodium EDTA</td>
<td>64-02-8</td>
<td>0–&lt;1 %</td>
</tr>
<tr>
<td></td>
<td>Disodium hydrogen phosphate</td>
<td>7558-79-4</td>
<td>0–&lt;1 %</td>
</tr>
<tr>
<td></td>
<td>1,3-Dihydroxyethyl-5,5 -dimethylhydantoin</td>
<td>6440-58-0</td>
<td>0–&lt;1 %</td>
</tr>
<tr>
<td>Ingredients determined not to be hazardous, including water.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. First-aid measures

Inhalation

Normally not an inhalation hazard.

Ingestion

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

Skin

The product is designed for skin contact. If there is a reaction, wash affected area thoroughly with soap and water. If symptoms persist seek medical attention.

Eye contact

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 13 1126) or a doctor at once.

5. Fire-fighting measures
Safety Data Sheet

Product Name: PALMOLIVE NATURALS SHAMPOO - HEALTHY ENDS

Not classified as hazardous

Suitable extinguishing media
Use appropriate fire extinguisher for surrounding environment.

Hazards from Combustion Products
Non combustible material.

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

Decomposition Temp.
Not available

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 containers.

6. Accidental release measures

Emergency Procedures
Slippery when spilt - avoid accidents. Wear protective clothing to minimise skin and eye exposure. If possible contain large spills, absorb with inert absorbent such as sand, soil or vermiculite and place in suitable, labelled container. Pop up material and place into the same container. Hose down residues or minor spills with excess water. 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
Industrial applications: When dealing with this product, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area, out of direct sunlight. Keep containers closed when not in use. Store in suitable, labelled containers.

8. Exposure controls/personal protection

Occupational exposure limit values
No exposure standards have been established for this material by Safe Work, Australia. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels.

Biological Limit Values
No biological limit allocated.

Appropriate engineering controls
No special engineering controls required. Industrial Applications: Provide sufficient ventilation to keep airborne levels as low as possible. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection
Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection
Not required. However, avoid eye contact. 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
Not required under normal conditions of use. Industrial Applications: Wear gloves of impervious material. 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
For industrial use wear 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
Product Name: PALMOLIVE NATURALS SHAMPOO - HEALTHY ENDS

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White thick liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Soluble</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.01 (25°C)</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 (25°C)</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammability</td>
<td>Non-combustible</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limits - Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flammable Limits - Upper</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

10. Stability and reactivity

| Reactivity                      | Reacts with incompatibles.                   |
| Chemical Stability              | Stable under normal conditions of storage and handling. |
| Conditions to Avoid             | Extremes of temperature and direct sunlight. |
| Incompatible Materials          | Strong oxidising agents.                     |
| Hazardous Decomposition Products| Thermal decomposition may result in the release of toxic and/or irritating fumes. |
| Hazardous Polymerization        | Will not occur.                              |

11. Toxicological Information

<table>
<thead>
<tr>
<th>Toxicity Information</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Ingestion of this product may irritate the gastric tract causing nausea and vomiting.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Not considered to be hazardous by inhalation.</td>
</tr>
<tr>
<td>Skin</td>
<td>The product is formulated for skin contact. Not considered to be hazardous when in contact with skin. However for individuals with sensitive skin, product may cause redness, itching or irritation.</td>
</tr>
<tr>
<td>Eye</td>
<td>May cause eye irritation, tearing, stinging and redness.</td>
</tr>
<tr>
<td>Respiratory sensitisation</td>
<td>Not expected to be a respiratory sensitiser.</td>
</tr>
<tr>
<td>Skin Sensitisation</td>
<td>Not expected to be a skin sensitiser.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not considered to be a mutagenic hazard.</td>
</tr>
</tbody>
</table>
Product Name: PALMOLIVE NATURALS SHAMPOO - HEALTHY ENDS

Not classified as hazardous

Carcinogenicity
Not considered to be a carcinogenic hazard.

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT-single exposure
Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure
Not expected to cause toxicity to a specific target organ through repeated or prolonged exposure.

Aspiration Hazard
Not expected to be an aspiration hazard.

12. Ecological information

Ecotoxicity
No ecological data are available for this material.

Persistence and degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Environmental Protection
Prevent large amounts from 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

Transport Information
Road and Rail Transport:
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Marine Transport (IMO/IMDG):
Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):
Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. No

15. Regulatory information

Regulatory Information
Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Not Scheduled

Poisons Schedule
AICS (Australia)
All components of this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempted.

16. Other Information

Date of preparation or last revision of SDS
SDS Reviewed: August 2013
Supersedes: March 2009

Literature References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.
Product Name: PALMOLIVE NATURALS SHAMPOO - HEALTHY ENDS

Not classified as hazardous