1. Identification

GHS Product Identifier

PALMOLIVE NATURALS VITAL STRENGTH SHAMPOO

GHS Product Code

B05816310003

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

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>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium laureth sulfate</td>
<td>32612-48-9</td>
<td>&lt;20 %</td>
</tr>
<tr>
<td>Siloxanes and silicones, dimethyl</td>
<td>63148-62-9</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Cocamide DEA</td>
<td>61791-31-9</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Ammonium Lauryl Sulfate</td>
<td>2235-54-3</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>1310-73-2</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Ammonium sulphate</td>
<td>7783-20-2</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Diethanolamine</td>
<td>111-42-2</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Triethanolamine EDTA</td>
<td>64-02-8</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Disodium hydrogen phosphate</td>
<td>7558-79-4</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>1,3-Dihydroxymethyl-5,5'-dimethylhydantoin</td>
<td>6440-58-0</td>
<td>&lt;1 %</td>
</tr>
<tr>
<td>Galaxolide</td>
<td>1222-05-5</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

Balance

Ingredients determined not to be hazardous, including water.

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; New Zealand 0800 POISON / 0800 764 766) or a doctor at once.
5. Fire-fighting measures

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 heating can cause expansion or decomposition leading to violent rupture of containers.

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 into suitable, labelled containers. Mop 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 ie. 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 value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA ppm</th>
<th>STEL mg/m³</th>
<th>Notcs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>-</td>
<td>2</td>
<td>-</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.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

No biological limit allocated.

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

Respiratory Protection: Not required under normal conditions of use. Industrial Applications: 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.
Safety Data Sheet

Product Name: PALMOLIVE NATURALS VITAL STRENGTH SHAMPOO

Not classified as hazardous

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

Appearance
Thick white liquid

Odour
Not available

Decomposition Temperature
Not available

Melting Point
Not available

Boiling Point
Not available

Solubility in Water
Soluble

Specific Gravity
1.02 (25°C)

pH
6.5 (25°C)

Vapour Pressure
Not available

Vapour Density (Air=1)
Not available

Evaporation Rate
Not available

Odour Threshold
Not available

Viscosity
5000 cps (25°C)

Flash Point
Non-combustible

Auto-Ignition Temperature
Not applicable

Flammable Limits - Lower
Not applicable

Flammable Limits - Upper
Not applicable

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
Product Name: PALMOLIVE NATURALS VITAL STRENGTH SHAMPOO

Not classified as hazardous

Toxicology Information

- **Ingestion**: No toxicity data available for this material.
- **Inhalation**: Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
- **Skin**: Not considered to be hazardous by inhalation.
- **Eye**: 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.
- **Respiratory sensitisation**
- **Skin Sensitisation**: May cause eye irritation, tearing, stinging and redness.

Toxicology Information

- **Germ cell mutagenicity**
- **Carcinogenicity**: Not expected to be a respiratory sensitizer.
- **Reproductive Toxicity**: Not expected to be a skin sensitizer.
- **STOT-single exposure**: Not expected to be a mutagenic hazard.
- **STOT-repeated exposure**: Not considered to be a carcinogenic hazard.
- **Aspiration Hazard**: Not considered to be toxic to reproduction.
- **STOT-repeated 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.
- **STOT-repeated exposure**: 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**: 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

- **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.
- **Regulatory Information**: Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Product Name: **Palmolive Naturals Vital Strength Shampoo**

**Not classified as hazardous**

<table>
<thead>
<tr>
<th>Poisons Schedule</th>
<th>AICS (Australia)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Scheduled</td>
<td>The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS.</td>
</tr>
</tbody>
</table>

### 16. Other Information

**Date of preparation or last revision of SDS**

- SDS Reviewed: June 2013
- Supersedes: July 2008

**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.
- Workplace exposure standards for airborne contaminants, Safe work Australia.
- American Conference of Industrial Hygienists (ACGIH).
- Globally Harmonised System of classification and labelling of chemicals.

**Contact Person/Point**

- 24Hr Emergency Response
  - Australia- 1800 638 556
  - New Zealand- 0800 764 766

...End Of MSDS...