SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PALMOLIVE ULTRA DISHWASHING LIQUID ORIGINAL

Product code : B02969840000

Manufacturer or supplier’s details
Address : Colgate-Palmolive Pty Ltd., 345 George St, Sydney, New South Wales, Australia 2000.
Telephone : CONSUMER AFFAIRS: AU 1800 802 307 (Mon – Fri 7 - 5)

Emergency telephone number : CHEMTREC Australia +(61)-290372994
                                 Global-CHEMTREC- +1 703-741-5970

Recommended use of the chemical and restrictions on use
Recommended use : A formulated dishwashing liquid

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Skin corrosion/irritation : Category 2
Serious eye damage/eye irritation : Category 2A

GHS label elements
Hazard pictograms :

Signal word : Warning

Hazard statements : H315 Causes skin irritation.
                   H319 Causes serious eye irritation.

Precautionary statements : Prevention:
                          P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/ eye protection/ face protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

Other hazards which do not result in classification
No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS-No.</th>
<th>Concentration (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>C10-16 ALCOHOL EO SODIUM SULFATE</td>
<td>68585-34-2</td>
<td>&gt;= 10 - &lt; 30</td>
</tr>
<tr>
<td>LAURAMIDOPROPYLDIMETHYLAMINE OXIDE</td>
<td>61792-31-2</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>MYRISTAMIDOPROPYLAMINE OXIDE</td>
<td>67806-10-4</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

General advice : If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given.

If inhaled : If unconscious, place in recovery position and seek medical advice.
           If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.
                        If on skin, rinse well with water.
                        If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.
                        Remove contact lenses.
                        Protect unharmed eye.
                        Keep eye wide open while rinsing.
                        If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.
               Do not give milk or alcoholic beverages.
               Never give anything by mouth to an unconscious person.
               If symptoms persist, call a physician.
Most important symptoms and effects, both acute and delayed:

- Causes skin irritation.
- Causes serious eye irritation.

SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media: High volume water jet

Specific hazards during fire-fighting: Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products: No hazardous combustion products are known

Specific extinguishing methods:
- Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.

Environmental precautions:
- Prevent product from entering drains.
- Prevent further leakage or spillage if safe to do so.
- If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:
- Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
- Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion: Normal measures for preventive fire protection.

Advice on safe handling:
- Do not breathe vapours/dust.
- Avoid contact with skin and eyes.
- For personal protection see section 8.
- Smoking, eating and drinking should be prohibited in the application area.
- Dispose of rinse water in accordance with local and national regulations.
Hygiene measures: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

Personal protective equipment:
- Respiratory protection: No personal respiratory protective equipment normally required.
- Hand protection:
- Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection: Eye wash bottle with pure water
  - Tightly fitting safety goggles
  - Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection: Impervious clothing
  - Choose body protection according to the amount and concentration of the dangerous substance at the work place.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: liquid
- Colour: green
- pH: 7.25

SECTION 10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
PALMOLIVE ULTRA DISHWASHING LIQUID ORIGINAL

This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>SDS Number</th>
<th>Date of last issue</th>
<th>Date of first issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>20.03.2018</td>
<td>660000005171</td>
<td>-</td>
<td>20.03.2018</td>
</tr>
</tbody>
</table>

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No decomposition if stored and applied as directed.

Conditions to avoid : No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Components:

**C10-16 ALCOHOL EO SODIUM SULFATE:**
Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: No information available.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:**
Acute oral toxicity : LC50 (Rat): 500 - 1,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LC50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402

**MYRISTAMIDOPROPYLAMINE OXIDE:**
Acute oral toxicity : LC50 (Rat): 500 - 1,000 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LC50 (Rat): > 2,000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation
Causes skin irritation.

Components:

**C10-16 ALCOHOL EO SODIUM SULFATE:**
Result: Severe skin irritation
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:
Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Mild skin irritation

MYRISTAMIDOPROPYLAMINE OXIDE:
Species: Rabbit
Exposure time: 4 h
Method: OECD Test Guideline 404
Result: Mild skin irritation

Serious eye damage/eye irritation
Causes serious eye irritation.

Components:

C10-16 ALCOHOL EO SODIUM SULFATE:
Result: Irritation to eyes, reversing within 21 days

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:
Species: Rabbit
Result: Irritation to eyes, reversing within 21 days
Exposure time: 1 h
Method: OECD Test Guideline 405

MYRISTAMIDOPROPYLAMINE OXIDE:
Species: Rabbit
Result: Irritation to eyes, reversing within 21 days
Exposure time: 1 h
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Skin sensitisation
Not classified based on available information.

Respiratory sensitisation
Not classified based on available information.

Components:

C10-16 ALCOHOL EO SODIUM SULFATE:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Remarks: No data available
Lauramidopropyldimethylamine Oxide:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Myristamidopropylamine Oxide:
Exposure routes: Inhalation
Result: Does not cause respiratory sensitisation.

Test Type: Maximisation Test
Exposure routes: Dermal
Species: Guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitisation.

Chronic toxicity

Germ cell mutagenicity
Not classified based on available information.

Carcinogenicity
Not classified based on available information.

Reproductive toxicity
Not classified based on available information.

STOT - single exposure
Not classified based on available information.

STOT - repeated exposure
Not classified based on available information.

Aspiration toxicity
Not classified based on available information.

Further information

Product:
Remarks: This product has not been tested as a whole. However, this formula was reviewed by expert toxicologists in the Product Safety Assurance Department of Colgate-Palmolive and is determined to be safe for its intended use. This review has taken into consideration available safety-related information including information on individual ingredients, similar formulas and potential ingredient interactions. This review is a component of the hazard determination used to prepare the statements in Section 3 of the SDS.
SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

**C10-16 ALCOHOL EO SODIUM SULFATE:**
- Toxicity to fish: Remarks: No data available
- Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia (water flea)): 3.43 mg/l
  Exposure time: 48 h
- Toxicity to algae: Exposure time: Remarks: No data available
- Toxicity to fish (Chronic toxicity): No data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): No data available

**LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:**
- Toxicity to fish: Remarks: No data available
- Toxicity to daphnia and other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): 0.96 mg/l
  Exposure time: 48 h
  Test Type: static test
- Toxicity to algae: Exposure time: Remarks: No data available
- M-Factor (Acute aquatic toxicity): 1
- Toxicity to fish (Chronic toxicity): No data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): No data available

Persistence and degradability

Components:

**C10-16 ALCOHOL EO SODIUM SULFATE:**
- Biodegradability: Result: Readily biodegradable.
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:
Biodegradability: Result: Readily biodegradable.

Bioaccumulative potential

Components:

C10-16 ALCOHOL EO SODIUM SULFATE:
Bioaccumulation: Remarks: No data available
Partition coefficient: n-octanol/water: Remarks: No data available

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:
Bioaccumulation: Bioconcentration factor (BCF): 116.3
Partition coefficient: n-octanol/water: log Pow: 3.64

Mobility in soil
No data available

Other adverse effects

Product:
Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

ADG 7.5: NOT REGULATED.
PALMOLIVE ULTRA DISHWASHING LIQUID ORIGINAL
This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date:</th>
<th>SDS Number:</th>
<th>Date of last issue:</th>
<th>Date of first issue:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>20.03.2018</td>
<td>660000005171</td>
<td></td>
<td>20.03.2018</td>
</tr>
</tbody>
</table>

NZS 5433 : NOT REGULATED.

IATA : Not regulated.

IMDG : Not regulated.

ADR : NOT REGULATED.

International Regulations
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

National Regulations

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons

No poison schedule number allocated

Prohibition/Licensing Requirements

There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

The components of this product are reported in the following inventories:

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - Internation-
PALMOLIVE ULTRA DISHWASHING LIQUID ORIGINAL

This industrial Safety Data Sheet is not intended for consumers and does not address consumer use of the product. For information regarding consumer applications of this product, refer to the product label.

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date:</th>
<th>SDS Number:</th>
<th>Date of last issue:</th>
<th>Date of first issue:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>20.03.2018</td>
<td>6600000005171</td>
<td></td>
<td>20.03.2018</td>
</tr>
</tbody>
</table>

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

AU / EN