SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: PALMOLIVE DISHWASH HAND - ULTRA
Product code: 200000018106

: B02920130004

Manufacturer or supplier’s details
Company: Colgate-Palmolive Co
300 Park Avenue
New York, NY 10022

Telephone:

Emergency telephone number:
Medical Emergency (24HR):
For MEDICAL EMERGENCIES involving this product call:
(888) 489-3861

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

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

<table>
<thead>
<tr>
<th>Appearance</th>
<th>liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>blue</td>
</tr>
</tbody>
</table>

GHS Classification
Flammable liquids: Category 3
Eye irritation: Category 2A

GHS Label element
Hazard pictograms:

Signal word: Danger
Hazard statements: H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements: Prevention: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P281 Use personal protective equipment as required.

**Response:**
P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:**
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

**Disposal:**
P501 Dispose of contents/container to an approved waste disposal plant.

**Potential Health Effects**

- **Inhalation**: Overexposure may cause respiratory tract irritation.
- **Skin**: May cause skin irritation upon prolonged contact.
- **Eyes**: Causes eye irritation on direct contact.
- **Ingestion**: Harmful if swallowed.
- **Aggravated Medical Condition**: None known.

**Carcinogenicity:**

**IARC**

Group 1: Carcinogenic to humans This finished consumer product is not expected to exhibit carcinogenic effects. Exposure through ingestion of Ethanol (64-17-5) is not applicable to the intended use of this product.
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.

Version 1.0  SDS Number: 660000000473  Revision Date: 05/27/2015

**ALCOHOL)**

**ACGIH**
Confirmed animal carcinogen with unknown relevance to humans. This finished consumer product is not expected to exhibit carcinogenic effects. Exposure through ingestion of Ethanol (64-17-5) is not applicable to the intended use of this product.

**ETHANOL (ETHYL ALCOHOL) 64-17-5**

**OSHA**
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**
No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>64-17-5</td>
<td>&gt;= 5 - &lt; 10</td>
</tr>
<tr>
<td>SODIUM CHLORIDE</td>
<td>7647-14-5</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>MYRISTAMIDOPROPYLAMINE OXIDE</td>
<td>67806-10-4</td>
<td>&gt;= 1 - &lt; 5</td>
</tr>
<tr>
<td>PPG-14 BUTYL ETHER</td>
<td>9003-13-8</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
<td>&gt;= 0.1 - &lt; 1</td>
</tr>
</tbody>
</table>

### SECTION 4. FIRST AID MEASURES

**If inhaled**
Remove victim to fresh air. Get medical attention, if symptoms persist.

**In case of skin contact**
Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

**In case of eye contact**
Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

**If swallowed**
Drink 8 ounces of clear water. Get medical attention.

**Most important symptoms and effects, both acute and delayed**
Causes serious eye irritation.

### SECTION 5. FIREFIGHTING MEASURES

**Suitable extinguishing media**
Use water spray, alcohol-resistant foam, dry chemical or car-
Hazardous combustion products: No hazardous combustion products are known

Special protective equipment for firefighters: Self-contained breathing apparatus and full protective clothing should be worn when fighting chemical fires.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protection recommended in Section 8 of the SDS.

Methods and materials for containment and cleaning up: Cover with inert, absorbent material and remove to disposal container. Spill area may be slippery. Flush with plenty of water.

SECTION 7. HANDLING AND STORAGE

Conditions for safe storage: Store at controlled room temperature at 20-25°C (68-77°F).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Value type (Form of exposure)</th>
<th>Control parameters / Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>64-17-5</td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>ACGIH</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm, 1,900 mg/m³</td>
<td>NIOSH REL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm, 1,900 mg/m³</td>
<td>OSHA Z-1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA</td>
<td>1,000 ppm, 1,900 mg/m³</td>
<td>OSHA P0</td>
</tr>
</tbody>
</table>

Biological occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Control parameters</th>
<th>Biological specimen</th>
<th>Sampling time</th>
<th>Permissible concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
<td>CUST-N15.00111710</td>
<td>Urine</td>
<td>End of shift</td>
<td>15 mg/l</td>
<td>ACGIH BEI</td>
</tr>
</tbody>
</table>

Engineering measures: In an industrial work environment, no special precautions or
control measures are required.

Person protective equipment
Respiratory protection: No personal respiratory protective equipment normally required.

Protective measures: In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective gloves. For consumer use, no unusual precautions are necessary.

Hygiene measures: In an industrial work environment, avoid eye and prolonged skin contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: liquid
Colour: blue
pH: 6.9
Flash point: 122 °F
Density: 1.027 g/cm3

SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions: Hazardous polymerisation does not occur.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition products: None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Product:
Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method
Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg
Method: Calculation method
Components:

**ETHANOL (ETHYL ALCOHOL):**
- Acute oral toxicity: LD50 (Rat): 10,470 mg/kg
- Acute inhalation toxicity: LC50 (Rabbit): 124.7 mg/l
  - Exposure time: 4 h
  - Test atmosphere: No information available.
  - Method: No information available.
- Acute dermal toxicity: LD50 (Rat): > 15,800 mg/kg
  - Method: No information available.

**SODIUM CHLORIDE:**
- Acute oral toxicity: LD50 (Rat): 3,550 mg/kg
- Acute inhalation toxicity: LC50 (Rabbit): > 42,000 mg/l
  - Exposure time: 1 h
  - Test atmosphere: No information available.
  - Method: No information available.
- Acute dermal toxicity: LD50 (Rabbit): > 10,000 mg/kg
  - Method: No information available.

**MYRISTAMIDOPROPYLAMINE OXIDE:**
- Acute oral toxicity: Remarks: No data available
- Acute inhalation toxicity: Remarks: No data available
- Acute dermal toxicity: Remarks: No data available

**PPG-14 BUTYL ETHER:**
- Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
- Acute inhalation toxicity: Remarks: No data available
- Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg
  - Method: No information available.

**METHANOL:**
- Acute oral toxicity: LD50 (Rat): 100 mg/kg
  - Method: Acute toxicity estimate
- Acute inhalation toxicity: Acute toxicity estimate (Rat): 3 mg/l
  - Exposure time: 4 h
  - Test atmosphere: vapour
  - Method: Acute toxicity estimate
- Acute dermal toxicity: Acute toxicity estimate (Rat): 300 mg/kg
  - Method: Acute toxicity estimate

**Skin corrosion/irritation**
Not classified based on available information.

Components:
ETHANOL (ETHYL ALCOHOL):
Result: No skin irritation

SODIUM CHLORIDE:
Result: No skin irritation

MYRISTAMIDOPROPYLAMINE OXIDE:
Result: Severe skin irritation

PPG-14 BUTYL ETHER:
Result: Mild skin irritation

METHANOL:
Result: No skin irritation

Serious eye damage/eye irritation
Causes serious eye irritation.

Components:
ETHANOL (ETHYL ALCOHOL):
Result: Irritation to eyes, reversing within 21 days

SODIUM CHLORIDE:
Result: Mild eye irritation

MYRISTAMIDOPROPYLAMINE OXIDE:
Result: Irreversible effects on the eye

PPG-14 BUTYL ETHER:
Result: Mild eye irritation

METHANOL:
Result: No eye irritation

Respiratory or skin sensitisation
Skin sensitisation: Not classified based on available information.
Respiratory sensitisation: Not classified based on available information.

Components:
ETHANOL (ETHYL ALCOHOL):
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Result: Does not cause skin sensitisation.

SODIUM CHLORIDE:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Result: Does not cause skin sensitisation.
MYRISTAMIDOPROPYLAMINE OXIDE:
Exposure routes: Inhalation
Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal
Result: Does not cause skin sensitisation.

PPG-14 BUTYL ETHER:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Result: Does not cause skin sensitisation.

METHANOL:
Exposure routes: Inhalation
Remarks: No data available

Exposure routes: Dermal
Result: Does not cause skin sensitisation.

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

The product has not been tested as a whole for environmental toxicity. However, environmental information on the ingredients in this product have been reviewed by the Environmental, Health and Safety group of Colgate-Palmolive and determined to have an acceptable environmental profile. This evalua-
SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods
Waste from residues: Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environment agency for specific rules). Do not dump in sewers, any body of water or on the ground.

SECTION 14. TRANSPORT INFORMATION

DOT: Not regulated.
TDG: Not regulated.
IATA: Not regulated.
IMDG: Not regulated.

International Regulation
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

OSHA Hazards: Combustible Liquid, Severe skin irritant, Severe eye irritant

EPCRA - Emergency Planning and Community Right-to-Know Act
CERCLA Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ (lbs)</th>
<th>Calculated product RQ (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHANOL</td>
<td>67-56-1</td>
<td>5000</td>
<td>*</td>
</tr>
</tbody>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

SARA 304 Extremely Hazardous Substances Reportable Quantity

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Component RQ</th>
<th>Calculated product RQ</th>
</tr>
</thead>
</table>


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.

Version 1.0

<table>
<thead>
<tr>
<th>FORMALDEHYDE</th>
<th>50-00-0</th>
<th>100</th>
</tr>
</thead>
</table>

*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards**
- Fire Hazard
- Chronic Health Hazard
- Acute Health Hazard

**SARA 302**
- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313**
- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**
- This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).
- This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).
- The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):
  - ETHANOL (ETHYL ALCOHOL) 64-17-5

**Clean Water Act**
- The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:
  - FORMALDEHYDE 50-00-0
  - SODIUM BISULFITE 7631-90-5
  - Sulfuric Acid SULFURIC ACID
- The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:
  - FORMALDEHYDE 50-00-0
  - SODIUM BISULFITE 7631-90-5
  - Sulfuric Acid SULFURIC ACID
- This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**Massachusetts Right To Know**
- ETHANOL (ETHYL ALCOHOL) 64-17-5
- FORMALDEHYDE 50-00-0
- Sulfuric Acid SULFURIC ACID

**Pennsylvania Right To Know**
- WATER Water
- AMMONIUM ALCOHOL ETHER SULFATE Not Assigned
- ETHANOL (ETHYL ALCOHOL) 64-17-5
- LAURAMIDOPROPYLDIMETHYLAMINE OXIDE 61792-31-2
- METHANOL 67-56-1
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.

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

- **TSCA**: All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

### Additional Information

**NFPA**:

- **Flammability**: 2
- **Health**: 2
- **Instability**: 0

**HMIS III**:

- **Health**: 3
- **Flammability**: 2
- **Physical Hazard**: 0

0 = not significant, 1 = Slight, 2 = Moderate, 3 = High, 4 = Extreme, * = Chronic
Disclaimer: The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.