



## PALMOLIVE ANTIBACTERIAL DISH DISHWASHING HAND LIQUID ORANGE

*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 1.1

SDS Number: 660000000713

Revision Date: 06/30/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PALMOLIVE ANTIBACTERIAL DISH DISHWASHING HAND LIQUID ORANGE

Product code : 100000130474

: B02941120007

#### Manufacturer or supplier's details

Company : Colgate-Palmolive Co  
300 Park Avenue  
New York, NY 10022

Telephone : US: Consumer Affairs - 1-800-468-6502

Emergency telephone number : For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.

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

|            |        |
|------------|--------|
| Appearance | liquid |
| Colour     | orange |

#### GHS Classification

Flammable liquids : Category 3

Eye irritation : Category 2A

#### GHS Label element

Hazard pictograms :







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uct 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

### 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

### Hazardous components

| Chemical Name                | CAS-No.   | Concentration (%) |
|------------------------------|-----------|-------------------|
| 3-Lauroylamidopropyl betaine | 4292-10-8 | >= 1 - < 5        |
| ETHANOL (ETHYL ALCOHOL)      | 64-17-5   | >= 1 - < 5        |
| L(+)-LACTIC ACID             | 79-33-4   | >= 1 - < 5        |
| SODIUM XYLENE SULFONATE      | 1300-72-7 | >= 1 - < 5        |
| METHANOL                     | 67-56-1   | >= 0.1 - < 1      |

## 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 : Causes serious eye irritation.



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and effects, both acute and delayed

### SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- 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

| Components              | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis     |
|-------------------------|---------|-------------------------------|--|-----------|
| ETHANOL (ETHYL ALCOHOL) | 64-17-5 | STEL                          | 1,000 ppm                                      | ACGIH     |
|                         |         | TWA                           | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | NIOSH REL |
|                         |         | TWA                           | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | OSHA Z-1  |
|                         |         | TWA                           | 1,000 ppm<br>1,900 mg/m <sup>3</sup>           | OSHA P0   |

#### Biological occupational exposure limits

| Components | CAS-No. | Control parameters | Biological specimen | Sampling time | Permissible concentration | Basis |
|------------|---------|--------------------|---------------------|---------------|---------------------------|-------|
|            |         |                    |                     |               |                           |       |



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|          |         |                           |       |  |         |              |
|----------|---------|---------------------------|-------|--|---------|--------------|
| METHANOL | 67-56-1 | CUST-<br>N15.001117<br>10 | Urine | End of<br>shift (As<br>soon as<br>possible<br>after<br>exposure<br>ceases) | 15 mg/l | ACGIH<br>BEI |
|----------|---------|---------------------------|-------|--|---------|--------------|

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

### Personal 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 : orange  
 pH : 3.25  
 Flash point : 136 °F  
 Density : 1.049 g/cm<sup>3</sup>

## SECTION 10. STABILITY AND REACTIVITY

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : None known.



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### 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

#### Components:

##### **3-Lauroylamidopropyl betaine:**

Acute oral toxicity : LD50 (Rat): 2,335 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: OECD Test Guideline 402

##### **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.

##### **L(+)-LACTIC ACID:**

Acute oral toxicity : LD50 (Rat): 3,730 mg/kg

Acute inhalation toxicity : LC50 (Rat): 7.94 mg/l  
Exposure time: 4 h  
Test atmosphere: No information available.  
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: No information available.

##### **SODIUM XYLENE SULFONATE:**

Acute oral toxicity : LD50 (Rat): > 7,000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rabbit): > 6.41 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: No information available.

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg



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Method: OECD Test Guideline 402

### **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:**

#### **3-Lauroylamidopropyl betaine:**

Result: Skin irritation

#### **ETHANOL (ETHYL ALCOHOL):**

Result: No skin irritation

#### **L(+)-LACTIC ACID:**

Result: Severe skin irritation

#### **SODIUM XYLENE SULFONATE:**

Result: Mild skin irritation

### **METHANOL:**

Result: No skin irritation

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

### **Components:**

#### **3-Lauroylamidopropyl betaine:**

Result: Moderate eye irritation

#### **ETHANOL (ETHYL ALCOHOL):**

Result: Irritation to eyes, reversing within 21 days

#### **L(+)-LACTIC ACID:**

Result: Risk of serious damage to eyes.

#### **SODIUM XYLENE SULFONATE:**

Result: Irritation to eyes, reversing within 7 days

### **METHANOL:**

Result: No eye irritation



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### **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

### **Components:**

#### **3-Lauroylamidopropyl betaine:**

Exposure routes: Inhalation

Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

#### **ETHANOL (ETHYL ALCOHOL):**

Exposure routes: Inhalation

Remarks: No data available

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

#### **L(+)-LACTIC ACID:**

Exposure routes: Inhalation

Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

#### **SODIUM XYLENE SULFONATE:**

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.





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### 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.

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## 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 evaluation is based on available information on individual ingredients, interactions of ingredients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable) or testing conducted on the final product (i.e., This product is biodegradable).

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## 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.

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## SECTION 14. TRANSPORT INFORMATION

**DOT** : Not regulated.  
(per 49 CFR 173.150(e)(2))

**TDG** :  
UN 1993 Flammable liquid, n.o.s. (Ethanol), 3,III.

**IATA** :  
UN 1993 Flammable liquid, n.o.s. (Ethanol), 3,III.

**IMDG** :  
UN 1993 Flammable liquid, n.o.s. (Ethanol), 3,III.

**ADR** :  
UN 1993 Flammable liquid, n.o.s. (Ethanol), 3,III.



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## 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, Harmful by ingestion., Severe skin irritant, Severe eye irritant, Moderate respiratory irritant

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

| Components                                | CAS-No.    | Component RQ (lbs) | Calculated product RQ (lbs) |
|---|------------|--------------------|-----------------------------|
| SODIUM DODECYL BENZENE SULFONATE (LINEAR) | 25155-30-0 | 1000               | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components    | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------|-----------|--------------------|-----------------------------|
| Sulfuric Acid | 7664-93-9 | 1000               | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Fire 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 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

ETHANOL (ETHYL ALCOHOL) 64-17-5



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## Clean Water Act

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

|                    |               |
|--------------------|---------------|
| SODIUM DODECYL     | 25155-30-0    |
| BENZENE            |               |
| SULFONATE (LINEAR) |               |
| Sulfuric Acid      | SULFURIC ACID |

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

|                    |               |
|--------------------|---------------|
| SODIUM DODECYL     | 25155-30-0    |
| BENZENE            |               |
| SULFONATE (LINEAR) |               |
| 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

|                         |               |
|-------------------------|---------------|
| SODIUM DODECYL BENZENE  | 25155-30-0    |
| SULFONATE (LINEAR)      |               |
| ETHANOL (ETHYL ALCOHOL) | 64-17-5       |
| Sulfuric Acid           | SULFURIC ACID |

## Pennsylvania Right To Know

|                              |              |
|------------------------------|--------------|
| WATER                        | Water        |
| Sodium C12-C13 2EO sulfate   | Not Assigned |
| 3-Lauroylamidopropyl betaine | 4292-10-8    |
| SODIUM DODECYL BENZENE       | 25155-30-0   |
| SULFONATE (LINEAR)           |              |
| ETHANOL (ETHYL ALCOHOL)      | 64-17-5      |
| METHANOL                     | 67-56-1      |
| SODIUM SULFATE               | 7757-82-6    |

## New Jersey Right To Know

|                              |              |
|------------------------------|--------------|
| WATER                        | Water        |
| Sodium C12-C13 2EO sulfate   | Not Assigned |
| 3-Lauroylamidopropyl betaine | 4292-10-8    |
| SODIUM DODECYL BENZENE       | 25155-30-0   |
| SULFONATE (LINEAR)           |              |
| ETHANOL (ETHYL ALCOHOL)      | 64-17-5      |
| METHANOL                     | 67-56-1      |

**California Prop 65** : 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 : On TSCA Inventory

## Inventories



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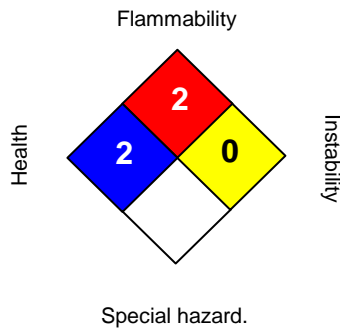
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AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>2</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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