

## PALMOLIVE DISHWASHING HAND LIQUID ORIGINAL ADVANCED

*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: 660000000367

Revision Date: 12/23/2015

### SECTION 1. IDENTIFICATION

Product name : PALMOLIVE DISHWASHING HAND LIQUID ORIGINAL  
ADVANCED

Product code : 200000045544  
Material : B02960140000

#### Manufacturer or supplier's details

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

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

Telefax : +50250224239500

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

Global-CHEMTREC- +1 703-741-5970

**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

#### GHS Classification

Flammable liquids : Category 4

Eye irritation : Category 2A

#### GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H227 Combustible liquid.  
H319 Causes serious eye irritation.

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**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.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ eye protection/ face protection.

P281 Use personal protective equipment as required.

**Response:**

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.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous components**

| Chemical Name                | CAS-No.    | Concentration (% w/w) |
|------------------------------|------------|-----------------------|
| ETHANOL (ETHYL ALCOHOL)      | 64-17-5    | $\geq 1$ - $< 5$      |
| SODIUM CHLORIDE              | 7647-14-5  | $\geq 1$ - $< 5$      |
| MYRISTAMIDOPROPYLAMINE OXIDE | 67806-10-4 | $\geq 1$ - $< 5$      |
| METHANOL                     | 67-56-1    | $\geq 0.1$ - $< 1$    |

**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.

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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 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   |

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### Biological occupational exposure limits

| Components | CAS-No. | Control parameters    | Biological specimen | Sampling time  | Permissible concentration | Basis     |
|------------|---------|-----------------------|---------------------|--|---------------------------|-----------|
| METHANOL   | 67-56-1 | CUST-N15.001117<br>10 | Urine               | End of shift (As soon as possible after exposure ceases) | 15 mg/l                   | ACGIH 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 : green

pH : 7.2

Flash point : 150.00 °F

Density : > 1.0000 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

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 : 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

**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

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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:**

Species: Rabbit

Exposure time: 4 h

Method: OECD Test Guideline 404

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:**

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Exposure time: 1 h

Method: OECD Test Guideline 405

**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

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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.

Test Type: Maximisation Test (GPMT)  
Exposure routes: Dermal  
Species: Guinea pig  
Method: OECD Test Guideline 406  
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.

**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.

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.

**Reproductive toxicity**

Not classified based on available information.

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**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.

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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** : Not regulated.

**IATA** : Not regulated.

**IMDG** : Not regulated.

**ADR** : NOT REGULATED.



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

| Components | CAS-No. | Component RQ (lbs) | Component RQ (lbs) |
|------------|---------|--------------------|--------------------|
| METHANOL   | 67-56-1 | 5000               | *                  |

\*: 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 neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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 64-17-5  
ALCOHOL)

**Clean Water Act**

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

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SODIUM BISULFITE 7631-90-5  
SODIUM HYDROXIDE 1310-73-2  
Sulfuric Acid SULFURIC ACID

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

SODIUM BISULFITE 7631-90-5  
SODIUM HYDROXIDE 1310-73-2  
Sulfuric Acid SULFURIC ACID

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**US State Regulations****Massachusetts Right To Know**

|                         |               |           |
|-------------------------|---------------|-----------|
| ETHANOL (ETHYL ALCOHOL) | 64-17-5       | 1 - 5 %   |
| Sulfuric Acid           | SULFURIC ACID | 0 - 0.1 % |

**Pennsylvania Right To Know**

|                                    |              |           |
|------------------------------------|--------------|-----------|
| Water                              | WATER        | 70 - 90 % |
| C12-C15 0.6EO Ammonium Sulfate     | Not Assigned | 5 - 10 %  |
| LAURAMIDOPROPYLDIMETHYLAMINE OXIDE | 61792-31-2   | 1 - 5 %   |
| ETHANOL (ETHYL ALCOHOL)            | 64-17-5      | 1 - 5 %   |
| METHANOL                           | 67-56-1      | 0.1 - 1 % |
| AMMONIUM SULFATE                   | 7783-20-2    | 0 - 0.1 % |

**New Jersey Right To Know**

|                                    |              |           |
|------------------------------------|--------------|-----------|
| Water                              | WATER        | 70 - 90 % |
| C12-C15 0.6EO Ammonium Sulfate     | Not Assigned | 5 - 10 %  |
| LAURAMIDOPROPYLDIMETHYLAMINE OXIDE | 61792-31-2   | 1 - 5 %   |
| ETHANOL (ETHYL ALCOHOL)            | 64-17-5      | 1 - 5 %   |
| SODIUM CHLORIDE                    | 7647-14-5    | 1 - 5 %   |
| METHANOL                           | 67-56-1      | 0.1 - 1 % |

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

TSCA : On TSCA Inventory

**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentra-

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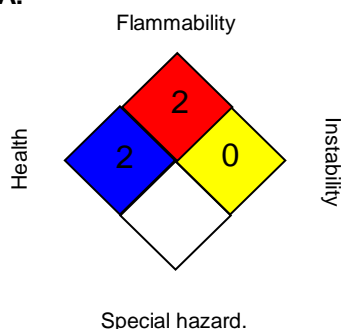
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tion; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative; DSL - Domestic Substances List (Canada); KECI - Korea Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); AICS - Australian Inventory of Chemical Substances; IECSC - Inventory of Existing Chemical Substances in China; ENCS - Existing and New Chemical Substances (Japan); ISHL - Industrial Safety and Health Law (Japan); PICCS - Philippines Inventory of Chemicals and Chemical Substances; NZIoC - New Zealand Inventory of Chemicals; TCSI - Taiwan Chemical Substance Inventory; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; DOT - Department of Transportation; EHS - Extremely Hazardous Substance; HMIS - Hazardous Materials Identification System; MSHA - Mine Safety and Health Administration; NFPA - National Fire Protection Association; RCRA - Resource Conservation and Recovery Act; RQ - Reportable Quantity; SARA - Superfund Amendments and Reauthorization Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; GLP - Good Laboratory Practice; ERG - Emergency Response Guide; NTP - National Toxicology Program; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods

### Further information

#### NFPA:



#### HMIS III:

|                 |   |
|-----------------|---|
| HEALTH          | 3 |
| FLAMMABILITY    | 2 |
| PHYSICAL HAZARD | 0 |

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

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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

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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.

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