





## 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: 660000000404

Revision Date: 05/22/2015

- Hazard statements** : H227 Combustible liquid.  
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.  
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.

### 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.

ETHANOL (ETHYL ALCOHOL)

64-17-5

#### ACGIH

Confirmed animal carcinogen with unknown relevance to humans This finished consumer product is not expected to exhibit



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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 (%)
ETHANOL (ETHYL ALCOHOL)	64-17-5	>= 1 - < 5
SODIUM CHLORIDE	7647-14-5	>= 1 - < 5
MYRISTAMIDOPROPYLAMINE OXIDE	67806-10-4	>= 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 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



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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 1,900 mg/m <sup>3</sup>	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 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
METHANOL	67-56-1	CUST-N15.00117 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 re-



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quired.

- 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/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



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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

### **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

#### **METHANOL:**

Result: No skin irritation

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### 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

##### **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.

##### **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.



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### **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.

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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.







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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
C12-C15 0.6EO Ammonium Sulfate	Not Assigned
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE	61792-31-2
ETHANOL (ETHYL ALCOHOL)	64-17-5
METHANOL	67-56-1
AMMONIUM SULFATE	7783-20-2

### New Jersey Right To Know

WATER	Water
C12-C15 0.6EO Ammonium Sulfate	Not Assigned
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE	61792-31-2
ETHANOL (ETHYL ALCOHOL)	64-17-5
SODIUM CHLORIDE	7647-14-5
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.

In accordance with OSHA 29 CFR 1910.1048 formaldehyde is not listed in Section 3 of this MSDS, however, formaldehyde is regulated by State and Federal regulations at varying concentrations. State and Federal information can be found above in Section 15.



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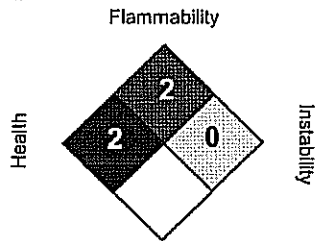
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## SECTION 16. OTHER INFORMATION

### 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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