

**PALMOLIVE ADVANCED DISHWASHING HAND LIQUID ORIGINAL
ADVANCED-AJAX ADVANCED DISHWASHING HAND LIQUID
ORIGINAL ADVANCED**

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Version	Revision Date:	SDS Number:	Date of last issue: 06/19/2018
1.3	06/20/2018	660000004402	Date of first issue: 04/04/2017

SECTION 1. IDENTIFICATION

Product name : PALMOLIVE ADVANCED DISHWASHING HAND LIQUID
ORIGINAL ADVANCED-AJAX ADVANCED DISHWASHING
HAND LIQUID ORIGINAL ADVANCED
B02953870015

Product code : 200000053115

Manufacturer or supplier's details

Company name of supplier : 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.

Global-CHEMTREC- +1 703-741-5970

Recommended use of the chemical and restrictions on use

Recommended use : dishwashing liquid

SECTION 2. HAZARDS IDENTIFICATION**GHS classification in accordance with 29 CFR 1910.1200**

Flammable liquids : Category 4

Skin irritation : Category 2

Eye irritation : Category 2A

GHS label elements

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H227 Combustible liquid.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary statements

: **Prevention:**
 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.

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.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.

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)
C12-C15 0.6EO Ammonium Sulfate	125301-89-5	>= 5 - < 10
ETHANOL (ETHYL ALCOHOL)	64-17-5	>= 1 - < 5
LAURAMIDOPROPYLDIMETHYLAMINE	61792-31-2	>= 1 - < 3

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OXIDE		
METHANOL	67-56-1	>= 0.1 - < 1

SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.
 Show this safety data sheet to the doctor in attendance.
 Do not leave the victim unattended.
- 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

- Suitable extinguishing media : Carbon dioxide (CO₂)
- Unsuitable extinguishing media : High volume water jet
- Hazardous combustion products : No hazardous combustion products are known
- Further information : For safety reasons in case of fire, cans should be stored separately in closed containments.
 Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
- Advice on safe handling : Avoid formation of aerosol.
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.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : No smoking.
Keep in a well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis

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ETHANOL (ETHYL ALCOHOL)	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m ³	OSHA P0
METHANOL	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m ³	NIOSH REL
		ST	250 ppm 325 mg/m ³	NIOSH REL
		TWA	200 ppm 260 mg/m ³	OSHA Z-1
		STEL	250 ppm 325 mg/m ³	OSHA P0
		TWA	200 ppm 260 mg/m ³	OSHA P0

Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sam-pling time	Permissible concentra-tion	Basis
METHANOL	67-56-1	Methanol	Urine	End of shift (As soon as possible after exposure ceases)	15 mg/l	ACGIH BEI

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

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Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid
Colour : green
pH : 7.2
Flash point : 150.0 °F / 65.6 °C
Density : > 1.0000 g/cm³

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.
Chemical stability : No decomposition if stored and applied as directed.
Possibility of hazardous reactions : No decomposition if stored and applied as directed.
Vapours may form explosive mixture with air.
Conditions to avoid : Heat, flames and sparks.

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 inhalation toxicity : Acute toxicity estimate: > 200 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method
Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg

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Method: Calculation method

Components:**C12-C15 0.6EO Ammonium Sulfate:**

- Acute oral toxicity : LD50 (Rat): 3,250 mg/kg
- Acute inhalation toxicity : No data available:
- Acute dermal toxicity : LD50: > 5,000 mg/kg

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.

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:

- Acute oral toxicity : Acute toxicity estimate: 500 mg/kg
- 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: 100 mg/kg
Method: Acute toxicity estimate
- Acute inhalation toxicity : LC50: 3 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Converted acute toxicity point estimate
- Acute dermal toxicity : LD50: 300 mg/kg
Method: Converted acute toxicity point estimate

Skin corrosion/irritation

Causes skin irritation.

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Components:**C12-C15 0.6EO Ammonium Sulfate:**

Species : Rabbit
Result : irritating

ETHANOL (ETHYL ALCOHOL):

Result : No skin irritation

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:

Result : Severe skin irritation

METHANOL:

Result : No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:**C12-C15 0.6EO Ammonium Sulfate:**

Species : Rabbit
Result : Eye irritation

ETHANOL (ETHYL ALCOHOL):

Result : No eye irritation

LAURAMIDOPROPYLDIMETHYLAMINE 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.

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Components:**C12-C15 0.6EO Ammonium Sulfate:**

Exposure routes : Skin contact
Species : Guinea pig
Result : Does not cause skin sensitisation.

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

ETHANOL (ETHYL ALCOHOL):

Exposure routes : Inhalation
Remarks : No data available

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

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.

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



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OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

STOT - single exposure
 Not classified based on available information.

Components:

METHANOL:

Target Organs : Eyes, Central nervous system
 Assessment : Causes damage to organs.

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 Occupational 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 in-

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redients, and similar ingredients. Biodegradability claims are supported by data on ingredients (i.e., surfactants are biodegradable).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

- Waste from residues : Do not dispose of waste into sewer.
 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.
 Do not burn, or use a cutting torch on, the empty drum.

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.

SECTION 15. REGULATORY INFORMATION

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

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
METHANOL	67-56-1	100	100 (F003)
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.

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SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Fire Hazard
 Flammable (gases, aerosols, liquids, or solids)
 Serious eye damage or eye irritation
 Skin corrosion or irritation

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 112 (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 SOCMII 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:

SODIUM HYDROXIDE 1310-73-2
 SULFURIC ACID 7664-93-9

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

SODIUM HYDROXIDE 1310-73-2
 SULFURIC ACID 7664-93-9

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
 SULFURIC ACID 7664-93-9

Pennsylvania Right To Know

WATER 7732-18-5
 C12-C15 0.6EO Ammonium Sulfate 125301-89-5
 ETHANOL (ETHYL ALCOHOL) 64-17-5
 METHANOL 67-56-1
 AMMONIUM SULFATE 7783-20-2
 SODIUM SULFATE 7757-82-6

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New Jersey Right To Know

WATER	7732-18-5
C12-C15 0.6EO Ammonium Sulfate	125301-89-5
ETHANOL (ETHYL ALCOHOL)	64-17-5
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE	61792-31-2
METHANOL	67-56-1

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

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

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification 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 concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -

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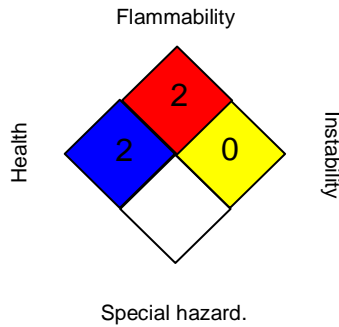
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Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

NFPA:



HMIS® IV:

HEALTH		0
FLAMMABILITY		2
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

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US / EN