

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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

SECTION 1. IDENTIFICATION

Product name :	PALMOLIVE DISHWASHING HAND LIQUID ORIGNAL ADVANCED
	: 20000046050 : B02953870002
Manufacturer or supplier's det	ails
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 acci- dent 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 cher	mical and restrictions on use
Recommended use :	A formulated dishwashing liquid

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS Label element

Not a hazardous substance or mixture.

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	>= 1 - < 5
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE	61792-31-2	>= 1 - < 5
SODIUM CHLORIDE	7647-14-5	>= 1 - < 5
METHANOL	67-56-1	>= 0.1 - < 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.Version 1.2SDS Number: 66000000530Revision Date: 2016/02/02

SECTION 4. FIRST AID MEASURES

General advice	: No hazards which require special first aid measures.
If inhaled	 Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.
In case of skin contact	: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
In case of eye contact	 Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
If swallowed	: Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	: None known.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
Hazardous combustion prod- ucts	: No hazardous combustion products are known
Further information	: Standard procedure for chemical fires.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	:	No special environmental precautions required.
Methods and materials for containment and cleaning up	:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against	:	Normal measures for preventive fire protection.
fire and explosion		



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

Advice on safe handling	: For personal protection see section 8. No special handling advice required.
Conditions for safe storage	: Keep container tightly closed in a dry and well-ventilated place.
Materials to avoid	: No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters / Permissible concentration	Basis
ETHANOL (ETHYL ALCOHOL)	64-17-5	STEL	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m3	OSHA P0
METHANOL	67-56-1	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 260 mg/m3	NIOSH REL
		ST	250 ppm 325 mg/m3	NIOSH REL
		TWA	200 ppm 260 mg/m3	OSHA Z-1
		STEL	250 ppm 325 mg/m3	OSHA P0
		TWA	200 ppm 260 mg/m3	OSHA P0

Components with workplace control parameters

Hazardous components without workplace control parameters

Components	CAS-No.
LAURAMIDOPROPYLDIMET	61792-31-2
HYLAMINE OXIDE	
SODIUM CHLORIDE	7647-14-5

Biological occupational exposure limits

Components	CAS-No.	Control	Biological	Sam-	Permissible	Basis
		parameters	specimen	pling	concentra-	
				time	tion	
METHANOL	67-56-1	CUST-	Urine	End of	15 mg/l	ACGIH
		N15.001117		shift (As		BEI
		10		soon as		
				possible		





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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

	after exposure ceases)
Personal protective equipn	ent
Respiratory protection	 No personal respiratory protective equipment normally re- quired.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Eye protection	: Safety glasses
Skin and body protection	: Protective suit
Hygiene measures	: General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Colour	:	green
рН	:	7.2
Flash point	:	> 200.00 °F
Density	:	> 1.0000 g/cm3

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: Stable under recommended storage conditions.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reac- tions	: No hazards to be specially mentioned.
Conditions to avoid	: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

ersion 1.2	SDS Number: 66000000530	Revision Date: 2016/02/02
	Method: Calculation method	
Acute dermal toxicity	: Acute toxicity estimate: > 5,000 m Method: Calculation method	ng/kg
<u>Components:</u> ETHANOL (ETHYL ALCOH Acute oral toxicity	OL): : LD50 (Rat): 10,470 mg/kg	
Acute inhalation toxicity	: LC50 (Rabbit): 124.7 mg/l Exposure time: 4 h Test atmosphere: No information Method: No information available.	
Acute dermal toxicity	: LD50 (Rat): > 15,800 mg/kg Method: No information available.	
LAURAMIDOPROPYLDIME Acute oral toxicity	-	3
Acute inhalation toxicity	: Remarks: No data available	
Acute dermal toxicity	: LC50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 40	2
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 Method: No information available. 	
Acute dermal toxicity	: LD50 (Rabbit): > 10,000 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 m Exposure time: 4 h Test atmosphere: vapour Method: Acute toxicity estimate	g/I
Acute dermal toxicity	: Acute toxicity estimate (Rat): 300 Method: Acute toxicity estimate	mg/kg

Skin corrosion/irritation

Not classified based on available information.



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

ETHANOL (ETHYL ALCOHOL): Result: No skin irritation

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:

Species: Rabbit Exposure time: 4 h Method: OECD Test Guideline 404 Result: Mild skin irritation

SODIUM CHLORIDE:

Result: No skin irritation

METHANOL: Result: No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Components:

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

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE:

Species: Rabbit Result: Irritation to eyes, reversing within 21 days Exposure time: 1 h Method: OECD Test Guideline 405

SODIUM CHLORIDE:

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.

Product:

Remarks: No data available



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. Revision Date: 2016/02/02 Version 1.2 SDS Number: 66000000530

Components:

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.

SODIUM CHLORIDE:

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. 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 64-17-5 ALCOHOL) **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. No component of this product present at levels greater than or NTP equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

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 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).

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste from residues	: Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	: Empty remaining contents. Empty containers should be taken to an approved waste han- dling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

- **DOT** : Not regulated.
- **TDG** : Not regulated.



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

- IATA : Not regulated.
- **IMDG** : Not regulated.
- ADR : 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

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	:	No SARA Hazards
SARA 302	:	No chemicals in this material are subject to the reporting re- quirements 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 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

0.1 - 1 %

0 - 0.1 %



PALMOLIVE DISHWASHING HAND LIQUID ORIGNAL 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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

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: SODIUM BISULFITE 7631-90-5

	SODIDIVI DISULFITE	7031-90-5						
	SODIUM HYDROXIDE	1310-73-2						
	Sulfuric Acid	SULFURIC ACID						
The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table								
	SODIUM BISULFITE	7631-90-5						
	SODIUM HYDROXIDE							
	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	ETHANOL (ETHYL ALCOHOL)		1 - 5 %				
	Sulfuric Acid		SULFURIC ACID	0 - 0.1 %				
	Pennsylvania Right To Know							
	Water		WATER	70 - 90 %				
	C12-C15 0.6EO Am	nmonium Sulfate	Not Assigned	5 - 10 %				
	ETHANOL (ETHYL		64-17-5	1 - 5 %				
				- /•				

New Jersey Right To Know

METHANOL

AMMONIUM SULFATE

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

67-56-1

7783-20-2

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

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

SECTION 16. OTHER INFORMATION

TSCA

Full text of other abbreviations

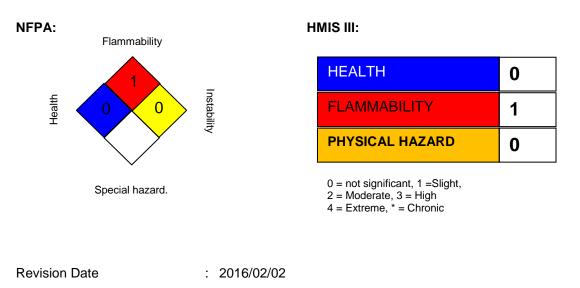
(Q)SAR - (Quantitative) Structure Activity Relationship; ASTM - American Society for the Testing of Materials; bw - Body weight; DIN - Standard of the German Institute for Standardisation; ECx -



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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

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 concentration; 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





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 1.2SDS Number: 66000000530Revision Date: 2016/02/02

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 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.

US / EN