

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

Product code : 200000052656
: B02930010007

Manufacturer or supplier's details

Company : Colgate-Palmolive Co

Address : Colgate-Palmolive Pty Ltd., 345 George St, Sydney, New South Wales, Australia 2000.

Telephone : CONSUMER AFFAIRS: - AU 1800 802 307 (Mon – Fri 7 - 5)

Emergency telephone number : CHEMTREC Australia +(61)-290372994
Global-CHEMTREC- +1 703-741-5970

1.1. Recommended use of the chemical and restrictions on use

Recommended use : A formulated dishwashing liquid

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation : Category 2

Serious eye damage/eye irritation : Category 1

GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.
H318 Causes serious eye damage.

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

Precautionary statements

: **Prevention:**

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 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

Other hazards which do not result in classification

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
SODIUM LAURETH SULFATE	9004-82-4	≥ 10 - < 30
COCAMIDOPROPYL BETAINE	61789-40-0	< 10
ETHANOL (ETHYL ALCOHOL)	64-17-5	< 10
L(+)-LACTIC ACID	79-33-4	< 10

SECTION 4. FIRST AID MEASURES

- | | |
|-------------------------|--|
| General advice | : If poisoning occurs, immediately contact a doctor or Poisons Information Centre (Phone Australia 131126; New Zealand 0800 764 766), and follow the advice given. |
| 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 | : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital. |

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

		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 induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye damage.

SECTION 5. FIREFIGHTING MEASURES

Unsuitable extinguishing media	:	High volume water jet
Specific hazards during fire-fighting	:	Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	No hazardous combustion products are known
Specific extinguishing methods	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Neutralize with chalk, alkali solution or ammonia. Soak up with inert absorbent material (e.g. sand, silica gel,

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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 1.2	Revision Date: 30.01.2017	SDS Number: 660000004098	Date of last issue: 30.01.2017 Date of first issue: 25.01.2017
----------------	------------------------------	-----------------------------	---

acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : 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.
To avoid spills during handling keep bottle on a metal tray.
Dispose of rinse water in accordance with local and national regulations.
- Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid : Do not store near acids.

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	TWA	1,000 ppm 1,880 mg/m ³	AU OEL
		STEL	1,000 ppm	ACGIH

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue: 30.01.2017
1.2	30.01.2017	660000004098	Date of first issue: 25.01.2017

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: yellow
pH	: 3.3
Flash point	: > 200 °F
Density	: 1.037 g/cm ³

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.
Conditions to avoid	: No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
---------------------	--

Components:

SODIUM LAURETH SULFATE:

Acute oral toxicity	: LD50 (Rat): 1,600 mg/kg
---------------------	---------------------------

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

Method: No information available.

Acute inhalation toxicity : LC50 (Rabbit): > 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Acute toxicity estimate

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

COCAMIDOPROPYL BETAINE:

Acute oral toxicity : LD50 (Rat): 4,900 mg/kg
Method: Tested according to Annex V of Directive 67/548/EEC.

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

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.

Skin corrosion/irritation

Product:

Remarks: May irritate skin.

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue: 30.01.2017
1.2	30.01.2017	660000004098	Date of first issue: 25.01.2017

Components:

SODIUM LAURETH SULFATE:

Result: Skin irritation

COCAMIDOPROPYL BETAINE:

Result: Skin irritation

ETHANOL (ETHYL ALCOHOL):

Result: No skin irritation

L(+)-LACTIC ACID:

Result: Severe skin irritation

Serious eye damage/eye irritation

Product:

Remarks: May cause irreversible eye damage.

Components:

SODIUM LAURETH SULFATE:

Result: Risk of serious damage to eyes.

COCAMIDOPROPYL 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.

Respiratory or skin sensitisation

Components:

SODIUM LAURETH SULFATE:

Exposure routes: Inhalation

Result: Does not cause respiratory sensitisation.

Exposure routes: Dermal

Result: Does not cause skin sensitisation.

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue: 30.01.2017
1.2	30.01.2017	660000004098	Date of first issue: 25.01.2017

COCAMIDOPROPYL BETAINE:

Exposure routes: Inhalation
Remarks: No data available

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.

Chronic toxicity

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

Ecotoxicity

Components:

SODIUM LAURETH SULFATE:

Toxicity to fish : LC50 (Fish): 10.4 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia (water flea)): 7.2 mg/l

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

aquatic invertebrates Exposure time: 48 h

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

COCAMIDOPROPYL BETAINE:

Toxicity to fish : LC50 (Brachydanio rerio (zebrafish)): 2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 6.5 mg/l
Exposure time: 48 h

Toxicity to algae : ErC50 (Desmodesmus subspicatus (Scenedesmus subspicatus)): 1 - 10 mg/l
Exposure time: 72 h

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia sp. (water flea)): 0.9 mg/l

ETHANOL (ETHYL ALCOHOL):

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14.2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 5,012 mg/l
Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : No data available:

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : No data available:

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

L(+)-LACTIC ACID:

Toxicity to fish	:	LC50 (Fish): 320 mg/l Exposure time: 48 h
Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia (water flea)): 240 mg/l Exposure time: 48 h
Toxicity to algae	:	EC50 (Pseudokirchneriella subcapitata (green algae)): 3,500 mg/l Exposure time: 72 h
Toxicity to fish (Chronic toxicity)	:	No data available:
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	:	No data available:

Persistence and degradability

Components:

SODIUM LAURETH SULFATE:

Biodegradability : Result: Readily biodegradable.

COCAMIDOPROPYL BETAINE:

Biodegradability : Result: Readily biodegradable.

ETHANOL (ETHYL ALCOHOL):

Biodegradability : Result: Readily biodegradable.

L(+)-LACTIC ACID:

Biodegradability : Result: Biodegradable

Bioaccumulative potential

Components:

SODIUM LAURETH SULFATE:

Partition coefficient: n-octanol/water : log Pow: 1.62

COCAMIDOPROPYL BETAINE:

Bioaccumulation : Bioconcentration factor (BCF): 70.79

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue:
1.2	30.01.2017	660000004098	30.01.2017
			Date of first issue: 25.01.2017

Partition coefficient: n-octanol/water : Remarks: Not applicable

ETHANOL (ETHYL ALCOHOL):

Bioaccumulation : Bioconcentration factor (BCF): 1

Partition coefficient: n-octanol/water : log Pow: -0.14

L(+)-LACTIC ACID:

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: -0.65

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
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.

SECTION 14. TRANSPORT INFORMATION

ADG :
7.4
Not regulated.

NZS :
5433

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue: 30.01.2017
1.2	30.01.2017	660000004098	Date of first issue: 25.01.2017

IATA : Not regulated.
IMDG : Not regulated.
ADR : Not regulated.
ADR : Not regulated.

International Regulations

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

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform : No poison schedule number allocated
Scheduling of Medicines and
Poisons

Prohibition/Licensing Requirements : There is no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.

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

AICS : On the inventory, or in compliance with the inventory
NZIoC : On the inventory, or in compliance with the inventory

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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

PALMOLIVE ULTRA ANTIBACTERIAL DISHWASHING LIQUID LEMON

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	Revision Date:	SDS Number:	Date of last issue: 30.01.2017
1.2	30.01.2017	660000004098	Date of first issue: 25.01.2017

Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; 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; 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; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

Date format : dd.mm.yyyy

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.

AU / EN