COLGATE-PALMOLIVE Company
MATERIAL SAFETY DATA SHEET

PALMOLIVE AROMA SENSATIONS DISHWASHING HAND LIQUID FRESH GREEN APPLE

This industrial Material 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.

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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	PALMOLIVE AROMA SENSATIONS DISHWASHING HAND LIQUID FRESH GREEN APPLE
MSDS Number		200000029738
CAS-No.	:	Not applicable - product is a mixture
General Use	:	Home care A formulated dishwashing liquid
Company	:	Colgate-Palmolive Co 300 Park Avenue New York, NY 10022
Telephone	:	(800) 432-8226
Emergency telephone number	:	For emergencies involving spill, leak, fire, exposure or accident call CHEMTREC (24hr) at (800) 424-9300 or (703) 527-3887.
Medical Emergency (24HR):		For MEDICAL EMERGENCIES involving this product call: (888) 489-3861

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Form	:	Liquid
Appearance	:	Green yellow
Odour	:	Characteristic

Potential Health Effects

Eye contact	:	Causes eye irritation on direct contact.
Skin contact	:	May cause skin irritation upon prolonged contact.
Inhalation	:	Overexposure may cause respiratory tract irritation.
Ingestion	:	Harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components

OSHA-REGULATED COMPONENTS (present at a concentration of > or = 1%)

Chemical Name	CAS-No.	Concentration *

AMMONIUM ALCOHOL ETHER SULFATE		10.00 - 30.00
ETHANOL (ETHYL ALCOHOL)	64-17-5	5.00 - 10.00
LAURAMIDOPROPYLDIMETHYLAMINE OXIDE	61792-31-2	1.00 - 5.00
MYRISTAMIDOPROPYLAMINE OXIDE	67806-10-4	1.00 - 5.00

*All concentrations are present by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Carcinogenicity:

Listed Carcinogens: The following components, present at a concentration of > or = 0.1%, are listed as carcinogens or potential carcinogens by either the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), OSHA or ACGIH

IARC	ETHANOL (ETHYL ALCOHOL)	64-17-5
NTP	ETHANOL (ETHYL ALCOHOL)	64-17-5
ACGIH	ETHANOL (ETHYL ALCOHOL)	64-17-5

SECTION 4. FIRST AID MEASURES

First aid procedures

Eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Skin contact : Flush skin with large amounts of water. If irritation develops and persists, get medical attention.

Inhalation : Remove victim to fresh air. Get medical attention, if symptoms persist.

Ingestion : Drink 8 ounces of clear water. Get medical attention.

SECTION 5. FIREFIGHTING MEASURES

Flammable properties

Flash point : 116.00 °F (46.67 °C)

Fire fighting

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Protective equipment and precautions for firefighters

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 : Use personal protection recommended in Section 8 of the MSDS.

Methods for containment / Methods for 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

Storage

Requirements for storage areas and containers : Store at controlled room temperature at 20-25°C (68-77°F).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Components with workplace control parameters

Chemical Name	CAS-No.	Value	Exposure Limits	Source	Notes
ETHANOL (ETHYL ALCOHOL)	64-17-5	STEL	1,000 ppm	ACGIH	
		REL	1,000 ppm 1,900 mg/m3	NIOSH/GUIDE	
		PEL	1,000 ppm	OSHA_TRANS	

			1,900 mg/m3		
		TWA	1,000 ppm 1,900 mg/m3	Z1A	

Engineering Controls : In an industrial work environment, no special precautions or control measures are required.

Personal protective equipment

Protective measures : In an industrial work environment, if a splash is likely, chemical goggles may be needed. Prolonged skin contact may require protective goggles. For consumer use, no unusual precautions are necessary.

General Hygiene Considerations : In an industrial work environment, avoid eye and prolonged skin contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Appearance : Green yellow

Odour : Characteristic

Flash point : 116.00 °F (46.67 °C)

pH : 6.9

Density : >= 1.00 g/cm3

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Remarks: Strong oxidizing agents

Hazardous decomposition products : Note: None known.
Hazardous reactions : Hazardous polymerisation does not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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 MSDS.

SECTION 12. ECOLOGICAL INFORMATION

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Further information : 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.

SECTION 14. TRANSPORT INFORMATION

DOT : Not regulated.

TDG : Not regulated.

IATA : Not regulated.

IMDG : Not regulated.

SECTION 15. REGULATORY INFORMATION

US Regulations

SARA

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A) : FORMALDEHYDE

Sulfuric Acid

CERCLA Hazardous Substance List (40 CFR 302.4) - Reportable Quantity : 1827 lbs

ETHANOL (ETHYL ALCOHOL)

1712329 lbs

METHANOL

2505940 lbs

FORMALDEHYDE

Clean Air Act

Clean Air Act 111 Standards of Performance for New Stationary Sources : ETHANOL (ETHYL ALCOHOL)

FORMALDEHYDE
METHANOL

Clean Water Act

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) : FORMALDEHYDE

Sulfuric Acid
SODIUM BISULFITE

State Regulations

Massachusetts Right-To-Know List : ETHANOL (ETHYL ALCOHOL)

FORMALDEHYDE

Sulfuric Acid

New Jersey Right-To-Know List : WATER

ETHANOL (ETHYL ALCOHOL)

		SODIUM CHLORIDE
		AMMONIUM ALCOHOL ETHER SULFATE
		LAURAMIDOPROPYLDIMETHYLAMINE OXIDE
Pennsylvania Right-To-Know List	:	WATER
		ETHANOL (ETHYL ALCOHOL)
		AMMONIUM ALCOHOL ETHER SULFATE
		LAURAMIDOPROPYLDIMETHYLAMINE OXIDE

Canada

Canadian Workplace Hazardous Materials Information System (WHMIS) Listed Material : ETHANOL (ETHYL ALCOHOL)

Canadian Controlled Products Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Other Information

TSCA Section 8(b) Status : All ingredients in this product are listed on the TSCA Inventory or are not required to be listed on the TSCA Inventory.

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.

SECTION 16. OTHER INFORMATION

Further information

MSDS Number : 200000029738

Disclaimer: The information on this sheet is limited to the material identified and is believed by the Colgate-Palmolive Company to be correct based on its knowledge and information as of the date noted. Colgate makes no representation, guarantee or warranty, expressed or implied, as to the accuracy, reliability or completeness of the information and assumes no responsibility for injury, damage or loss resulting from the use of the material.