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%)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>
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.

**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

<table>
<thead>
<tr>
<th>IARC</th>
<th>ETHANOL (ETHYL ALCOHOL)</th>
<th>64-17-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTP</td>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>64-17-5</td>
</tr>
<tr>
<td>ACGIH</td>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>64-17-5</td>
</tr>
</tbody>
</table>

**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**
PALMOLIVE AROMA SENSATIONS DISHWASHING HAND LIQUID FRESH GREEN APPLE

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Version 1.0  Revision Date 05/02/2012  Print Date 05/02/2012

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Value</th>
<th>Exposure Limits</th>
<th>Source</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>64-17-5</td>
<td>STEL</td>
<td>1,000 ppm</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>REL</td>
<td>1,000 ppm</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1,900 mg/m3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>1,000 ppm</td>
<td>OSHA_TRANS</td>
<td></td>
</tr>
</tbody>
</table>
Palmolive Aroma Sensations Dishwashing Hand Liquid Fresh Green Apple

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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 polymerization 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
**Palmolive Aroma Sensations Dishwashing Hand Liquid Fresh Green Apple**

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</table>

**CERCLA Hazardous Substance List**

(40 CFR 302.4) - Reportable Quantity

<table>
<thead>
<tr>
<th>Substance</th>
<th>Reportable Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfuric Acid</td>
<td>1827 lbs</td>
</tr>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
<td>1712329 lbs</td>
</tr>
<tr>
<td>METHANOL</td>
<td>2505940 lbs</td>
</tr>
<tr>
<td>FORMALDEHYDE</td>
<td></td>
</tr>
</tbody>
</table>

**Clean Air Act**

Clean Air Act 111 Standards of Performance for New Stationary Sources

<table>
<thead>
<tr>
<th>Substance</th>
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</thead>
<tbody>
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<td>ETHANOL (ETHYL ALCOHOL)</td>
</tr>
<tr>
<td>FORMALDEHYDE</td>
</tr>
<tr>
<td>METHANOL</td>
</tr>
</tbody>
</table>

**Clean Water Act**

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

<table>
<thead>
<tr>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>FORMALDEHYDE</td>
</tr>
<tr>
<td>Sulfuric Acid</td>
</tr>
<tr>
<td>SODIUM BISULFITE</td>
</tr>
</tbody>
</table>

**State Regulations**

Massachusetts Right-To-Know List

<table>
<thead>
<tr>
<th>Substance</th>
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</thead>
<tbody>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
</tr>
<tr>
<td>FORMALDEHYDE</td>
</tr>
<tr>
<td>Sulfuric Acid</td>
</tr>
</tbody>
</table>

New Jersey Right-To-Know List

<table>
<thead>
<tr>
<th>Substance</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATER</td>
</tr>
<tr>
<td>ETHANOL (ETHYL ALCOHOL)</td>
</tr>
</tbody>
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<tr>
<td>1.0</td>
<td>05/02/2012</td>
<td>05/02/2012</td>
</tr>
</tbody>
</table>

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.