SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : AJAX PALMOLIVE TRADITIONAL DISHWASHING HAND LIQUID ORANGE

MSDS Number : 200000030386

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 : Orange

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>
</table>

* Concentration values are not provided in the document.
AJAX PALMOLIVE TRADITIONAL DISHWASHING HAND LIQUID ORANGE

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.

Version 1.0  Revision Date 06/15/2012  Print Date 06/15/2012

<table>
<thead>
<tr>
<th>AMMONIUM LAURYL SULFATE</th>
<th>2235-54-3</th>
<th>1.00 - 5.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMMONIUM ALCOHOL ETHER SULFATE</td>
<td></td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>LAURAMIDOPROPYLDIMETHYLAMINE OXIDE</td>
<td>61792-31-2</td>
<td>1.00 - 5.00</td>
</tr>
</tbody>
</table>

*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

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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 equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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: > 200 °F (> 93 °C)

Fire fighting
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**

**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.
AJAX PALMOLIVE TRADITIONAL DISHWASHING HAND LIQUID ORANGE

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid
Appearance: Orange
Odour: Characteristic
Flash point: > 200 °F (> 93 °C)
P pH: 7.2
Density: 1.009 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

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

Clean Air Act
Clean Air Act 111 Standards of Performance for New Stationary Sources : FORMALDEHYDE

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

SODIUM BISULFITE

State Regulations
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.

**Massachusetts Right-To-Know List**: FORMALDEHYDE

**New Jersey Right-To-Know List**: WATER

AMMONIUM ALCOHOL ETHER SULFATE

AMMONIUM LAURYL SULFATE

LAURAMIDOPROPYLDIMETHYLAMINE OXIDE

**Pennsylvania Right-To-Know List**: WATER

AMMONIUM LAURYL SULFATE

**Canada**

**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**: 200000030386

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.