SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PALMOLIVE DISHWASHER DETERGENT ECO+ LEMON SPLASH
MSDS Number : 200000011882
CAS-No. : Not applicable - product is a mixture
General Use : Home care
A formulated dishwashing liquid

Company : Colgate-Palmolive Canada Inc.
Two Morneau Shepell Centre, 6th Fl.
895 Don Mills Road
Toronto, Ontario, M3C 1W3, Canada

Telephone : 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 : Viscous liquid
Appearance : White
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>
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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM CARBONATE</td>
<td>497-19-8</td>
<td>5.00 - 10.00</td>
</tr>
<tr>
<td>SODIUM SILICATE</td>
<td>1344-09-8</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM BISULFITE TERMINATED SODIUM POLYACRYLATE</td>
<td>68479-09-4</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM HYPOCHLORITE</td>
<td>7681-52-9</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>NO. 2 SODIUM POLYACRYLATE</td>
<td></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.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM CARBONATE</td>
<td>497-19-8</td>
<td>5.00 - 10.00</td>
</tr>
<tr>
<td>SODIUM SILICATE</td>
<td>1344-09-8</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM BISULFITE TERMINATED SODIUM POLYACRYLATE</td>
<td>68479-09-4</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>SODIUM HYPOCHLORITE</td>
<td>7681-52-9</td>
<td>1.00 - 5.00</td>
</tr>
<tr>
<td>NO. 2 SODIUM POLYACRYLATE</td>
<td></td>
<td>1.00 - 5.00</td>
</tr>
</tbody>
</table>

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**: Remarks: no data available
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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Methods for containment / Methods for cleaning up

SECTION 7. HANDLING AND STORAGE

Storage

Requirements for storage areas and containers

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>SODIUM HYDROXIDE</td>
<td>1310-73-2</td>
<td>Ceiling</td>
<td>2 mg/m³</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ceil_Ti me</td>
<td>2 mg/m³</td>
<td>NIOSH/GUIDE</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEL</td>
<td>2 mg/m³</td>
<td>OSHA_TRANS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Ceiling</td>
<td>2 mg/m³</td>
<td>Z1A</td>
<td></td>
</tr>
</tbody>
</table>
PALMOLIVE DISHWASHER DETERGENT ECO+ LEMON SPLASH

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 0.0  Revision Date 00/00/0000  Print Date 10/03/2012

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 gloves. 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: Viscous liquid
Appearance: White
Odour: Characteristic
Flash point: Note: no data available
pH: Approximate 12.5
Density: Approximate 1.16 g/cm3
Viscosity, dynamic: Approximate 4,500 mPa.s

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
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

RCRA Information: Not listed

SARA

Section 302 Extremely Hazardous Substances (40 CFR 355, Appendix A): Not listed

Section 313 Toxic Release Inventory (40 CFR 372): Not listed

CERCLA Hazardous Substance List (40 CFR 302.4) - Reportable Quantity: 9761 lbs
Palmolive Dishwasher Detergent ECO+ Lemon Splash

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.

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision Date</th>
<th>Print Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>00/00/0000</td>
<td>10/03/2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Material</th>
<th>Amount</th>
<th>regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM HYPOCHLORITE</td>
<td>62406 lbs</td>
<td>Clean Air Act, Clean Water Act, State Regulations</td>
</tr>
<tr>
<td>SODIUM HYDROXIDE</td>
<td>325154 lbs</td>
<td>Clean Air Act, Clean Water Act, State Regulations</td>
</tr>
<tr>
<td>Benzene</td>
<td></td>
<td>Clean Water Act, State Regulations</td>
</tr>
</tbody>
</table>

**Clean Air Act**
- Clean Air Act 111 Standards of Performance for New Stationary Sources: SODIUM HYPOCHLORITE, PROPYLENE GLYCOL, Benzene

**Clean Water Act**
- Clean Water Act Section 307(a)(1) Toxic Pollutants: ZINC CHLORIDE, Benzene
- Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): SODIUM HYDROXIDE, ZINC CHLORIDE, Benzene

**State Regulations**
- Massachusetts Right-To-Know List: SODIUM HYDROXIDE, SODIUM HYPOCHLORITE, Benzene
- New Jersey Right-To-Know List: WATER, SODIUM CARBONATE, SODIUM SILICATE, SODIUM BISULFITE TERMINATED SODIUM POLYACRYLATE
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 0.0  Revision Date 00/00/0000  Print Date 10/03/2012

SODIUM HYDROXIDE
SODIUM HYPOCHLORITE

Pennsylvania Right-To-Know List: WATER
SODIUM CARBONATE
SODIUM SILICATE
SODIUM HYDROXIDE
SODIUM HYPOCHLORITE

Canada

Canadian Workplace Hazardous Materials Information System (WHMIS) Listed Material: SODIUM CARBONATE
SODIUM HYDROXIDE
SODIUM HYPOCHLORITE

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.

SECTION 16. OTHER INFORMATION

Further information

MSDS Number: 200000011882

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.