

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

**Product Name** PALMOLIVE PLUS LIQUID DETERGENT - ORIGINAL      **Product Use** Hand Dishwashing Liquid      **Whmis Classification:** NCP

**Supplier's Name** Colgate-Palmolive Canada Inc.      **Address:** 99 Vanderhoof Avenue, Toronto, Ontario M4G 2H6

**Telephone No.:** (416) 421-6000      **Emergency Contacts:** Trevor Wilson (416) 287-0687  
John Fletcher (905) 845-5076

## SECTION II - PREPARATION OF MSDS

**PREPARED BY:** Technical Services      **PHONE:** (416) 421-6000      **DATE:** January 5, 2004

N/A = Not Applicable;      N/E = Not Established/Available

## SECTION III - HAZARDOUS INGREDIENTS

Hazardous Ingredient	Concentration Range %	C.A.S. or U.N. Number	Exposure Limits	LD <sub>50</sub> /LC <sub>50</sub> Specify Species and Route
N/A				

## SECTION IV - PHYSICAL DATA

<b>Physical State</b> Liquid	<b>Odour and Appearance</b> Clear green liquid with a mild floral odour	<b>Odour Threshold</b> N/E	<b>Specific Gravity</b> 1.05 at 25° C	<b>Vapour Pressure</b> N/E
<b>Vapour Density</b> N/E	<b>Evaporation Rate</b> N/E	<b>Boiling Point</b> N/E	<b>Freezing Point</b> N/E	<b>pH</b> 7.3
				<b>Coefficient of Water/Oil Distribution</b> N/E

## SECTION V - FIRE OR EXPLOSION HAZARD

**Flammable:** Yes ( )      No (X)      **If yes, under which conditions:**

**Means of Extinction:** If involved in fire, use water, dry alcohol type or all purpose foam, dry chemical, carbon dioxide or other Class B extinguishing agents.

<b>Flashpoint and Method</b> 54° C (Closed Cup)	<b>Upper Flammable Limit</b> N/E	<b>Lower Flammable Limit</b> N/E	<b>Auto-ignition Temperature</b> N/E
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**Hazardous Combustion Products:** Sulphur Dioxide, Carbon Monoxide

<b>Explosion Data Sensitivity To Mechanical Impact</b> N/E	<b>Explosion Data Sensitivity To Static Charge</b> N/E
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## SECTION VI - REACTIVITY DATA

**Chemical Instability:** Yes ( )      No (X)      **If yes, under which conditions?**

**Incompatibility To Other Substances:** Yes (X)      No ( )      **If yes, which ones?** Sodium hypochlorite or other hypochlorite containing products

**Reactivity:** Yes (X)      No ( )      **If yes, under which conditions?** Contact with hypochlorite bleach will liberate dangerous fumes

**Hazardous Decomposition Products:** None known

## SECTION VII - TOXICOLOGICAL PROPERTIES OF PRODUCT

This product has not been tested as a whole.

<b>Routes of Entry:</b> Skin Contact X      Skin Absorption	<b>Eye Contact</b> X <b>Inhalation</b>	<b>Ingestion</b> X
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### Effects of Acute Exposure To Product:

**Skin Contact:** May cause skin irritation on prolonged contact

**Eye Contact:** This product is an eye irritant upon direct contact  
**Ingestion:** May cause nausea, vomiting, and diarrhea to occur

**Effects of Chronic Exposure To Product:** N/E

**LD<sub>50</sub> of Product (Specify Species and Route)** N/E

**Skin Absorption:** N/A

**Inhalation:** N/A

**LC<sub>50</sub> of Product (Specify Species)** N/A

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- ORIGINAL

## SECTION VII - TOXICOLOGICAL PROPERTIES OF PRODUCT This product has not been tested as a whole.

**Exposure Limits**  
N/E

**Irritancy of Product**  
N/E

**Sensitization of Product**  
N/E

**Carcinogenicity**  
N/E

**Reproductive Toxicity**  
N/E

**Teratogenicity**  
N/E

**Mutagenicity**  
N/E

**Synergistic Materials**  
N/E

## SECTION VIII - PREVENTATIVE MEASURES

**Personal Protective Equipment:** Rubber or Plastic Gloves, Goggles or Safety Glasses, Protective Clothing

**Engineering Controls:** Safety Showers and Eyewash Fountains should be available. The product should be used in a well ventilated area.

**Leak and Spill Procedures:** Flush with water

**Waste Disposal:** Dispose in accordance with Federal, Provincial and Local regulations.

**Handling Procedures and Equipment:** N/A

**Storage Requirements:** This product will turn cloudy when exposed to temperatures below 10° C. To restore to original appearance, hold at room temperature for up to 24 hours.

**Special Shipping Instruction:** None

## SECTION IX - TRANSPORTATION OF DANGEROUS GOODS

**TDG Regulated Product:** Yes ( ) No (X)

**Product TDG or CFR 49 Shipping Name** N/A  
(If CFR so indicate)

**PIN Number:** N/A

**Packaging Group** N/A

## SECTION X - FIRST AID MEASURES

**Skin:** Rinse well with soap and water. If irritation persists, call a physician.

**Eye:** Flush with water for 15 minutes. Call a physician.

**Inhalation:** N/A

**Ingestion:** If swallowed drink 3 - 4 glasses of water. Call a physician.

This product is labeled in accordance with the requirements of the Hazardous Products Act and/or the Pest Control Products Act in that the use pattern and exposure in the workplace is generally consistent with that experienced by consumers. In certain respects, the requirements of the Workplace Hazardous Materials Information System applicable to the drafting of this Material Safety Data Sheet may differ from the requirements of those acts and regulations and as a result, this MSDS may contain additional information to that found on the label.

Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the safety and suitability of each such product for their particular purposes.