

# MATERIAL SAFETY DATA SHEET

## SECTION I - PRODUCT IDENTIFICATION AND USE

**Product Name** PALMOLIVE AUTOMATIC DISHWASHER GEL - ALL VARIANTS      **Product Use** Automatic Dishwasher Detergent      **Whmis Classification:** NCP

**Supplier's Name** Colgate Palmolive-Canada Inc.      **Address:** Two Morneau Sobeco Centre, 6<sup>th</sup> Floor  
895 Don Mills Road, Toronto, Ontario M3C 1W3

**Telephone No.:** (416) 421-6000      **Emergency Contacts:** Check your local Poison Control Centre in your telephone white pages.

## SECTION II - PREPARATION OF MSDS

**PREPARED BY:** Technical Services      **PHONE:** (416) 421-6000      **DATE:** January 1, 2010

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
Sodium Silicate	5 - 10	1344-09-8	N/E	N/E
Sodium Hydroxide	1 - 5	1310-73-2	2 mg/M <sup>3</sup>	N/E
Sodium Hypochlorite	0.5 - 1.5	7681-52-9	N/E	N/E

## SECTION IV - PHYSICAL DATA

<u>Physical State</u> Liquid	<u>Odour and Appearance</u> Viscous, translucent liquid, various colours and scents	<u>Odour Threshold</u> N/E	<u>Specific Gravity</u> 1.24 (20°/20° C)	<u>Vapour Pressure</u> N/E	
<u>Vapour Density</u> N/E	<u>Evaporation Rate</u> N/E	<u>Boiling Point</u> N/E	<u>Freezing Point</u> N/E	<u>pH</u> 11.0-11.8	<u>Coefficient of Water/Oil Distribution</u> 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.

<u>Flashpoint and Method</u> N/E	<u>Upper Flammable Limit</u> N/E	<u>Lower Flammable Limit</u> N/E	<u>Auto-ignition Temperature</u> N/E
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**Hazardous Combustion Products:**      Carbon monoxide, oxides of sulphur, nitrogen and phosphorous

<u>Explosion Data Sensitivity To Mechanical Impact</u>	N/E	<u>Explosion Data Sensitivity To Static Charge</u>	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?**      Do not mix with toilet bowl cleaner, rust remover, household ammonia, acids, or other cleaning products. Do not use for hand dishwashing. Avoid contact with fabric.

**Reactivity:**      Yes      (x)      No      ( )      **If yes, under which conditions?**      Higher temperatures cause faster decomposition and liberation of oxygen gas. Metallic contamination will also cause decomposition and liberation of oxygen. Contamination with organics will result in foul odours and decomposition. Contamination with ammonia will liberate dangerous fumes. Chlorine gas shall be released if product is acidified with acids or acidic materials.

**Hazardous Decomposition Products:**      None known

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## **SECTION VII - TOXICOLOGICAL PROPERTIES OF PRODUCT** These products have not been tested as a whole.

### Effects of Acute Exposure To Product:

<b>Routes of Entry:</b>	<b>Skin Contact</b> X	<b>Skin Absorption</b>	<b>Eye Contact</b> X	<b>Inhalation</b>	<b>Ingestion</b> X
Skin Contact:	Alkaline irritant. Will cause skin irritation upon prolonged contact.		Skin Absorption:	N/E	
Eye Contact:	Severe irritant upon prolonged contact.		Inhalation:	Under unusual conditions, sufficient chlorine might be released to cause minor respiratory irritation.	
Ingestion:	Low toxicity. May cause nausea, vomiting, and diarrhea.				

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

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

<b>Exposure Limits</b>	<b>Irritancy of Product</b>	<b>Sensitization of Product</b>	<b>Carcinogenicity</b>
N/E	N/E	N/E	N/E

<b>Reproductive Toxicity</b>	<b>Teratogenicity</b>	<b>Mutagenicity</b>	<b>Synergistic Materials</b>
N/E	N/E	N/E	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:** Avoid contact when handling.

**Storage Requirements:** Store above freezing and below 45° C.

**Special Shipping Instruction:** Heated car or truck shipment is required to prevent freezing.

## **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:** Flush the contact area with lukewarm running water for at least 15 minutes. If irritation persists, call a physician.

**Eye:** Flush the contaminated eye(s) for at least 15 minutes with lukewarm water, holding the eyelid open. Take care not to rinse contaminated water into the non-affected eye. Always seek medical attention for eye injuries.

**Inhalation:** Remove to fresh air. Call a physician if irritation persists.

**Ingestion:** If swallowed drink 3 - 4 glasses of water. Do not induce vomiting. Call a physician.

These products are 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.