



Dish Detergent

## DESCRIPTION

**Liquid Dish Detergent** is our biodegradable hand dishwashing liquid, designed to remove grease and oils while remaining gentle on the hands. **Liquid Dish Detergent** provides long-lasting suds while soaking dishes clean and rinses freely without streaking or spotting.

## DIRECTIONS

Dispensers are available for dispensing directly from the shipping container. This gives you cost effective cleaning. Surfaces in direct food contact must be rinsed with potable water.

**Liquid Dish Detergent** is used for the manual cleaning of all dishes, cutlery, pots and pans and can also be used for the general cleaning of many surfaces such as walls, floors, glass, countertops and painted surfaces.

**Dishes and other washable surfaces:**

Use 8 ml per liter of **Liquid Dish Detergent** (1 oz/gal) (1:128) for general, light duty cleaning.

**Pots and Pans:**

Use 8-16 ml per liter of **Liquid Dish Detergent** (1-2 oz/gal) (1:128-1:64) depending on soil conditions.

## PHYSICAL DATA

Appearance	Clear liquid
Color	Bright green
Foam	High
Odor	Lemon
pH	6.5 - 8.0

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **LIQUID DISH DETERGENT**

WHMIS CODE: D2B  
 Proper Shipping Name: N/A  
 Hazard Class: N/A  
 UN Number: N/A

Product Use: *Manual liquid dish detergent.*

HMIS	
1	Health
0	Flammability
0	Reactivity
A	Personal

A=Goggles, B=Goggles & Gloves  
 C=Goggles, Gloves and Apron

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**EMERGENCY PHONE**  
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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

## SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
<b>SODIUM ALKYL BENZENE SULPHONATE</b>	25155-30-0	5.0 - 10.0	NONE	NONE
LD50	1260 mg/kg (oral, rat)			
LD50	N/D (Dermal)			
LC50	N/D			

## SECTION 3 – PHYSICAL DATA

<b>Color and Odor:</b> Green, citrus odor.	<b>Boiling Point:</b> N/D	<b>Vapor Pressure (mm HG):</b> N/D	<b>pH:</b> 8.0 +/- 0.5
<b>Physical State:</b> Liquid.	<b>Melting Point:</b> N/A	<b>Vapor Density:</b> N/D	<b>Specific Gravity:</b> 1.022 @ 20°C
<b>Coeff. Water/Oil Dist:</b> Greater than 1.0	<b>Evaporation Rate:</b> N/D	<b>Solubility in Water:</b> Soluble	<b>Odor Threshold:</b> No Data

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** None to 100°C (TCC)      **Sensitivity to Mechanical Impact:** None.      **Extinguishing Media:** Not flammable.  
**Flammable Limits:** None known.      **Sensitivity to Static Discharge:** None.      **Auto ignition Temperature:** None known.  
**Unusual Fire and Explosion Hazards:** None.      **Conditions of Flammability:** None.  
**Hazardous Combustion Products:** Oxides of carbon, nitrogen, and other possible unidentifiable organic compounds.  
**Special Fire Fighting:** Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not Occur.  
**Incompatibility (material to avoid):** None known.  
**Hazardous Decomposition Products:** Oxides of carbon, nitrogen, and other possible unidentifiable organic compounds.

## SECTION 6 – TOXICOLOGICAL DATA

<b>Exposure Limits:</b> See Section 2 under Hazardous Ingredient.	<b>Routes of Entry:</b> Skin and eyes contact.
<b>Irritancy of Product:</b> Irritating to eyes.	<b>Carcinogenicity:</b> None known.
<b>Sensitization:</b> None known.	<b>Mutagenicity:</b> None known.
<b>Teratogenicity:</b> None known.	<b>Reproductive Toxicity:</b> None known.
<b>Name of Toxicological Synergistic Product:</b> None known.	
<b>Effects of Chronic Exposure:</b> None known.	
<b>Effects of Acute Exposure to Product:</b> Product exposure may irritate eyes. Prolonged or repeated exposure to skin may cause dryness. Inhalation of vapors or mists is unlikely because of product use. Ingestion may cause gastrointestinal and abdominal discomfort.	

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.  
**Ventilation:** Use with normal ventilation.  
**Protective Gloves:** Normally not required. However, wearing of rubber gloves are recommended to minimize skin dryness from prolonged or repeated skin contact.  
**Eye Protection:** Normally not required. However, wearing of safety goggles are recommended if there is a risk of product splashing into eyes during usage.  
**Protective Clothing and Equipment:** Normally not required.  
**Storage and Handling Procedures:** Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.  
**Waste Disposal Method:** Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.  
**Special Shipping Information:** Store at temperature below 30°C and keep from freezing.

## SECTION 8 – EMERGENCY FIRST AID PROCEDURES

**First Aid:**  
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

## PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division      PHONE: 604-526-5655      LAST UPDATE: Dec. 24, 2014  
 THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE