

# MATERIAL SAFETY DATA SHEET

## SECTION I – PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Liquid Dish Detergent  
**Manufacture:** IMUS Ranch Foods  
**Address:** 16 West Ave.  
Darien, CT 06820  
**Telephone:** (520)-365-0700

**Product Use:**  
**Supplier:**  
**Address:**  
**Telephone:**

## SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD <sub>50</sub>
Water	7732-18-5	30-80	Not applicable	Not applicable	14500 mg/kg (oral, rat)
Sodium laureth sulfate	68585-34-2	10-30	Not applicable	Not applicable	10000 mg/kg (oral, rat)
Sodium tetraborate pentahydrate	1330-43-4	0-1	Not applicable	Not applicable	2660 mg/kg (oral, rat)
Alkyl polyglycoside	110615-47-9	1-5	Not applicable	Not applicable	>5000 mg/kg (oral, rat)
Amphoteric surfactant	4292-10-8	1-7	Not applicable	Not applicable	Not available
Amides, C12-18 & C18-unsatd	90622-74-5	1-7	Not applicable	Not applicable	Not available
Essential oil fragrance	mixture	0-1	Not applicable	Not applicable	Not available
Citric acid	77-92-9	0-1	Not applicable	Not applicable	5040 mg/kg (oral, rat)

## SECTION III – HAZARDS IDENTIFICATION

**Route of Entry:** Eye, Skin contact, Inhalation, Ingestion.  
**Potential Health Effects:**  
**Eye Contact:** May cause mild irritation upon direct contact.  
**Skin Contact:** May cause mild irritation.  
**Inhalation:** No hazards under normal conditions of use. Prolonged exposure may cause nose, throat and respiratory tract irritation.  
**Chronic Effects/Carcinogenicity:**  
**Carcinogenicity:** No ingredients listed by IRAC or NTP.

## SECTION IV – FIRST AID MEASURES

**Eye Contact:** Flush with water for 15 minutes. Seek medical attention if irritation persists.  
**Skin Contact:** Flush with water. Seek medical attention if irritation develops.  
**Inhalation:** Remove to fresh air and take deep, slow breaths. Seek medical attention if irritation persists.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention if symptoms persist.

## SECTION V – FIRE FIGHTING MEASURES

**Flammability:** Not flammable  
**Flash Point:** (deg C, TCC): None  
**LEL:** NE  
**UEL:** NE  
**Hazardous Combustion Products:** Oxides of carbon, oxides of nitrogen.  
**Means of Extinction:** Water mist(fog), dry chemical, carbon dioxide or foam.  
**Special Fire Hazards:** Firefighters should wear self-contained breathing apparatus.

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**Leak and Spill Procedures:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. For large quantities, dispose of in accordance with local, state/provincial and federal laws.

## SECTION VII – HANDLING AND STORAGE

**Storage Requirements:** KEEP OUT OF REACH OF CHILDREN. Store in closed container. Store away from incompatible materials. Keep away from sources of ignition – No Smoking.

## SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

**Gloves:** Not required.  
**Eye protection:** Not normally required.  
**Respiratory protection:** Not normally required if good ventilation is maintained.  
**Other protective equipment:** As required by employer code.  
**Engineering Controls:** General ventilation normally adequate.

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point (deg C):** 95  
**% Volatile (Wt%):** 77.5  
**Physical State:** Liquid

**Specific Gravity (H<sub>2</sub>O =1):** 1.05  
**Solubility in water:** Soluble  
**Viscosity:** Viscous

**Evaporation Rate (Water=1):** Similar  
**pH (as supplied):** 7.2  
**Appearance/Odor:** Colorless, citrus

## SECTION X – STABILITY AND REACTIVITY

**Conditions for Chemical Instability:** Stable  
**Incompatible Materials:** Strong oxidizing agents.  
**Hazardous Decomposition Products:** Oxides of carbon.

## SECTION XI – TOXICOLOGICAL INFORMATION

This product may cause irritation to the eyes or skin upon prolonged contact.

## SECTION XII – ECOLOGICAL INFORMATION

**Biodegradability:** All organic ingredients of this formula have been tested by an independent laboratory and all are readily biodegradable as measured by OECD Test Method 301D. This measures biodegradability under load and in simulated real life conditions.

## SECTION XIII – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local state/provincial and federal regulations.

## SECTION XIV - TRANSPORTATION

**T.D.G. Classification:** Not regulated.  
**D.O.T. Classification:** Not regulated.

## SECTION XV – REGULATORY INFORMATION

**Occupational Health and Safety Regulations:**  
**WHMIS Class:** D2B  
**OSHA & WHMIS:** MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200) and Canadian WHMIS regulations (Controlled Products Regulations Under the Hazardous Product Act).  
**Environmental Regulatory Lists:**  
**SARA – Section 313 (Toxic Chemical Release Reporting) 40 CFR 372** – None of these ingredients are listed.  
**CERCLA – Section 102 (Reportable Quantity) 40 CFR 302** - None of these ingredients are listed.  
**RCRA 40 CRT 261 (Subpart D)** – None of these ingredients are listed.  
**CLEAN WATER ACT – Section 311 (Reportable Quantity) 40 CFR 116:** None of these ingredients are listed.  
**CLEAN AIR ACT – Section 312 (List of Hazardous Air Pollutants) 40 CFR 63 (Subpart C)** – None of these ingredients are listed.  
**National Pollutant Release Inventory** – None of the ingredients are listed.  
**Toxic Substance Control Act (TSCA)** – All ingredients are listed on the Chemical Substance Inventory.  
**Canadian Domestic Substance List (DSL)** - All the ingredients are listed on the DSL.

## SECTION XVI – OTHER INFORMATION

**Date:** March 11, 2008  
**Prepared by:** Technical Services Group  
**Telephone:** (705)-740-2880

### Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries for consequential damages which result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (905-572-4400), or CSST in Montreal, Quebec (514-873-3990).