

MATERIAL SAFETY DATA SHEET

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

Product Name: Liquid Laundry Detergent DIN 2
Manufacture: The Deirdre Imus Environmental Center
Hackensack University Medical Center
Address: 30 Prospect Ave.
Hackensack, NJ 07601
Telephone: (201)-336-8159

Product Use:
Supplier:
Address:
Telephone:

SECTION II – INFORMATION ON INGREDIENTS

Ingredients	CAS#	Wt%	OSHA-PEL	ACGIH-TLV	LD ₅₀
Water	7732-18-5	60-100	Not applicable	Not applicable	14500 mg/kg (oral, rat)
Sodium lauryl sulfate	151-21-3	10-30	Not applicable	Not applicable	1288 mg/kg (oral, rat)
Alcohol ethoxylate	34398-01-1	1-7	Not applicable	Not applicable	875 mg/kg (oral, rat)
Sodium dodecyl benzene sulphonate	25155-30-0	1-7	Not applicable	Not applicable	2320 mg/kg (oral, rat)
Sodium citrate	68-04-2	1-7	Not applicable	Not applicable	1548 mg/kg (oral, rat)
Sodium tetraborate pentahydrate	1330-43-4	1-7	Not applicable	Not applicable	2660 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 by WHMIS criteria. **Flash Point:** (deg C, TCC): None
Hazardous Combustion Products: Oxides of carbon.
Means of Extinction: Treat for surrounding material.
Special Fire Hazards: None known to us at this time.

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.

SECTION VIII – EXPOSURE CONTROL/PERSONAL PROTECTION

Gloves: If prolonged/repeated contact can occur, use protective gloves.
Eye protection: Where direct eye contact may be a problem, use chemical splash goggles.
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): ~100 **Specific Gravity (H₂O =1):** 1.05 **Evaporation Rate (Water=1):** Similar
% Volatile (Wt%): >50 **Solubility in water:** Soluble **pH (as supplied):** 8.0
Physical State: Liquid **Viscosity:** Slightly viscous **Appearance/Odor:** Colorless, floral

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

Aquatic Acute Toxicity:

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: September 07, 2005 **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).