

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **DISHWASHING LIQUID**

Product Use: Hand dishwashing detergent

WHMIS Class: Not regulated

TDG Classification: Not regulated

PIN Number: n.a.

T.D.G. Shipping Name: n.a.

WISH:

Health: 1

Flammability: 0

Reactivity: 0

Personal

Protection: B

Manufacturer: Total Fabrication Inc.

Address: 511, Route 289
St-Alexandre-de-Kamouraska
G0L 2G0

Telephone: (418) 970-0889

Emergency Phone: (506) 733-2614

Supplier: BALECO Inc.

Address: 4850, rue St-Ambroise, unit 106
Montreal, QC,
H4C 3N8

Telephone: (514) 933-1555

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium Alkylbenzene Sulfonate	25155-30-0	10 - 30			1.26 g/Kg (oral, rat)
Sodium Lauryl Ether Sulfate	68585-34-2	3 - 10		>2 g/Kg (dermal, rabbit)	1.8 g/Kg (oral, rat)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): 100

Vapour Pressure (mm Hg): n.a.

Vapour Density (Air = 1): n.a.

Solubility in Water: complete

Physical State: liquid

Appearance and Odour: clear thick liquid,
pale amber coloured

Specific Gravity (H₂O = 1): 1.02 at 20°C

% Volatile (Wt %): 72 %

Evaporation Rate (Water = 1): 1

pH (as supplied): 5 to 9

Viscosity: approx. 350 cps at 20°C

Odour Threshold (ppm): n.a.

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible

Flash Point (TCC, °C): > 95

LEL: n.appl. UEL: n.appl.

Hazardous Combustion Products: Smoke, carbon oxides, nitrogen oxides, sulfur oxides.

Autoignition Temperature (°C): n.a.

Means of Extinction: Water, foam, dry chemicals, carbon dioxide.

Special Fire Hazards: A stream of water directed into the product generates a lot of foam.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions.
It does not polymerize.

Incompatible Materials: Strong oxidizing agents, strong concentrated acids, alkalis.

Reactivity, and Under What Conditions: Avoid excessive heat.

Hazardous Decomposition Products: The thermal decomposition can produce carbon oxides, nitrogen oxides, hydrogen sulfide, sulfur oxides, organic volatile compounds and smoke.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS of ACUTE EXPOSURE:

Eye: Moderate irritation with stinging and redness.

Skin: Skin dryness may appear on some persons.

Ingestion: Nausea, vomiting, abdominal pain, diarrhea.

Inhalation: Not applicable

EFFECTS of CHRONIC EXPOSURE:

Irritancy: Frequent and prolonged contact may produce dry skin and irritation.

Skin Sensitization: Repeated or prolonged use may produce sensitization on some persons.

Carcinogenicity: Not carcinogenic.

Teratogenicity, Reproductive Effects: n.a.

Mutagenicity: n.a.

Synergistic Materials: Soap and other detergents.

SECTION 7: PREVENTATIVE MEASURES

Gloves: Plastic or rubber gloves to manipulate large quantities of the pure product.

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required, if adequate ventilation is available.

Other Protective Equipment: Waterproof boots if large spill.

Engineering Controls: Eye wash station if large quantities are manipulated.

Leak and Spill Procedure: Wear protective equipment. Stop the leak. Pump the product into drums for disposal. Resume cleaning by rinsing with water.

Waste Disposal: Burn into incinerator or landfill according to existing federal, provincial and municipal regulations. Organic matter in this product is readily biodegradable.

Storage Requirements: Keep in original tightly closed containers, below 30°C.

SECTION 8: FIRST AID

Eye: Rinse with plenty of water for several minutes, keeping eyelids open. Seek medical attention should an irritation develop.

Skin: Rinse with water. Remove spoiled clothes and wash before wearing.
Apply a moisturizing cream if skin is dry.

Inhalation: Bring the person to fresh air.

Ingestion: Give plenty of water. Do not induce vomiting. Seek medical attention.

SECTION 9: PREPARATION INFORMATION

Date: July 29, 2015.

Prepared for: TOTAL FABRICATION INC.

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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 or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).
