

MATERIAL SAFETY DATA SHEET



Dish Soap

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Dish Soap
Product Use: Ready to use dishwashing liquid
WHMIS Class: D2B
TDG Classification: Not regulated
PIN Number: N.A.
TDG Shipping Name: N.A.
IATA: Not regulated

Manufacturer: Aspen Clean Inc
Address: 100-657 Marine Dr
West Vancouver, BC
V7T 1A4

Supplier: Aspen Clean Inc
Address: 100-657 Marine Dr
West Vancouver, BC
V7T 1A4

Emergency #: 604-925-9900

WISH:
Health: 1
Flammability: 0
Reactivity: 0
Personal Protection: B

SECTION 2: INFORMATION ON INGREDIENTS

| Ingredients | CAS# | Wt% | TLV | LC50 | LD50 |
|---------------------|-------------|--------|-----|------------------------|--------------------|
| Alkyl Polyglucoside | 110615-47-9 | 5-10 % | | > 2g/kg (skin, rabbit) | >5 g/kg (oral/rat) |
| Alkyl Polyglucoside | 141464-42-8 | 3-7 % | | | >2 g/kg (oral/rat) |

None of the materials in this product are on the IARC, OSHA, or NTP carcinogen lists.

All active ingredients in this product are derived from readily biodegradable, renewable plant sources or naturally occurring minerals. This product is EcoCert certified, complying with EcoCert Standard France 32600.

SECTION 3: PHYSICAL DATA

Boiling Point (°C): 100
Vapor Pressure (mm Hg): N. A.
Vapor Density (Air=1): N.A.
Solubility in Water: Complete
Physical State: Liquid
Appearance and Odour: Transparent, yellowish, almost colorless, scented liquid

Specific Gravity: (H₂O=1): 1.09 g/ml at 25 °C
% Volatile (% p/p): 68.9 %
Evaporation Rate (water=1): 1
pH (as supplied): ~3.2
Viscosity (cps): 600 cps at 25 °C
Odour Threshold (ppm): N.A.

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible
Flash Point (TCC, °C): N.A. LIE: N.A. LES: N.A.
Hazardous Combustion Products: Smoke, carbon 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 will generate a lot of foam.

SECTION 5: REACTIVITY DATA

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

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Incompatible Materials: Strong oxidizing agents, alkalis
Reactivity and under what conditions: Avoid excessive heat.
Hazardous Decomposition Products: Thermal decomposition can produce volatile organic compounds and carbon and oxides.

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation

Effects of Acute Exposure:

Eyes: Irritation, redness, pain
Skin: Mild irritation upon contact, skin dryness may appear on some persons.
Ingestion: Low irritation and low toxicity. Nausea, vomiting, abdominal pain, diarrhea if large quantity is swallowed.
Inhalation: Not applicable

Effects of Chronic Exposure:

Irritancy: Frequent and prolonged contact may produce dry skin.
Skin Sensitization: Repeated or prolonged use may produce sensitization on some persons.

Carcinogenicity: None of the ingredients are listed on IARC, OSHA or NTP. Non-hazardous by WHIMIS/OSHA criteria.

Teratogenicity, Reproductive

Effects: N.A.

Mutagenicity: N.A.

Synergistic Materials: Soap, solvents

SECTION 7: PREVENTIVE MEASURES

Gloves: Plastic or rubber gloves to manipulate large quantities in bulk
Eye Protection: Safety glasses with side shields to manipulate product in bulk
Respiratory Protection: Not required, if adequate ventilation is available
Other Protective Equipment: Water proof boots and apron in case of large spill
Engineering Controls: Eye wash station if large quantities are manipulated
Leak and Spill Procedure: Wear personal protection equipment. Stop the leak. Pump the product into drums for disposal. Resume cleaning by rinsing with water.
Waste Disposal: Dispose of through a licensed waste management company. Dispose of in accordance with all local, provincial/state and federal regulations.
Storage Requirements: KEEP OUT OF REACH OF CHILDREN. Keep in original tightly closed containers, in a room below 30 °C.

SECTION 8: FIRST AID MEASURES

Eyes: Remove contact lenses. Rinse with plenty of water for several minutes, keeping eyelids open. Seek medical attention should an irritation develop.
Skin: Rinse with water. Apply a moisturizing cream if the skin is dry. Seek medical attention if there is an irritation.
Inhalation: Move victim to fresh air.
Ingestion: Do not induce vomiting. Drink a few glasses of water. Seek medical attention if any discomfort occurs.

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SECTION 9: PREPARATION INFORMATION

Date: December 21, 2009

Prepared by: Aspen Clean Inc

Phone: 604-925-9900

Disclaimer:

Information on 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 case 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 requirement of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damage 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).