

# Material Safety Data Sheet

## H640 ECOZYME BATHROOM CLEANER

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Id:** H640

**Product Name:** ECOZYME BATHROOM CLEANER

**Synonyms:** None

**Chemical Family:** None Known

**Application:** Not Available.

MANUFACTURED BY:  
HAWCO PRODUCTS LIMITED  
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BRANTFORD, ONT. N3T 5V6

**Prepared By:** The Safety, Health and Environment Department of Hawco Products Limited

**Preparation date of MSDS:** 14 June 2005 **Updated:** *September 3, 2014*

**Telephone number of preparer:** 1-519-759-2443

**24-Hour Emergency Telephone Number (CANUTEC):** (613) 996-6666

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Ingredients</b>	<b>Percentage (W/W)</b>	<b>LD50s and LC50s Route &amp; Species:</b>
Alkyl benzenesulfonic acid 68584-22-5	1-5	Dermal LD50 (Rat) 530 mg/kg Oral LD50 (Rat) 530
Ammonium Lauryl Sulfate 2235-54-3	1-5	Not available.
Alcohols, C11-14-iso-, C13-rich, ethoxylated 78330-21-9	1-5	Not available.
Tetrasodium ethylene diamine tetraacetate 64-02-8	0.1-1	Oral LD50 (Rat) 1658 mg/kg

**Note:** No additional remark.

### 3. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**

**Eye Contact:** May cause eye irritation.

**Skin Contact:** May cause mild skin irritation.

**Inhalation:** May irritate the lungs.

**Ingestion:** Harmful if swallowed. May cause pain, nausea, vomiting and diarrhea.

### 4. FIRST AID MEASURES

**Eye Contact:** In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes

and get medical attention immediately after flushing.

**Skin Contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes. Get medical attention.

Remove contaminated clothing and launder before reuse.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

**Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Seek

immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

**Notes to Physician:** Treatment based on sound judgment of physician and individual reactions of patient.

### 5. FIRE FIGHTING MEASURES

**Flash Point:** None.

**Flash Point Method:** Not applicable.

**Autoignition Temperature:** Not Available.

**Flammable Limits in Air (%)**: Not Available.

**Extinguishing Media:** Use DRY chemicals, CO<sub>2</sub>, alcohol foam or water spray.

**Special Exposure Hazards:** Not Available.

**Hazardous Decomposition/Combustion Materials (under fire conditions):** Not available.

**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

**NFPA RATINGS FOR THIS PRODUCT ARE:** Not Available.

**HMIS RATINGS FOR THIS PRODUCT ARE:** HEALTH 1, FLAMMABILITY 0, REACTIVITY 0

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent entry into sewers or streams, dike if needed. Consult local authorities. **Procedure for Clean Up:** Isolate hazard area and restrict access. Absorb with an inert dry material and place in an appropriate waste disposal container. Avoid direct contact with material.

### 7. HANDLING AND STORAGE

**Handling:** For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment. **Storage:** Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Place away from incompatible materials. Store in accordance with good industrial practices.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Use in a well ventilated area.

**Respiratory Protection:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator. In case of spill or leak resulting in unknown concentration, use NIOSH approved supplied air respirator.

**Gloves:** Appropriate chemical resistant gloves should be worn.

**Skin Protection:** Skin contact should be prevented through the use of suitable protective clothing, gloves and footwear, selected for conditions of use and exposure potential. Consideration must be given both to durability as well as permeation resistance.

**Eyes:** Chemical goggles; also wear a face shield if splashing hazard exists.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location.

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Alkyl benzenesulfonic acid	Not available.	Not available.	Not Available.
Ammonium Lauryl Sulfate	Not available.	Not available.	Not Available.
Alcohols, C11-14-iso-, C13-rich, ethoxylated	Not available.	Not available.	Not Available.
Sodium Xylenesulphonate (SXS)	Not available.	Not available.	Not Available.
Tetrasodium ethylene diamine tetraacetate	Not available.	Not available.	Not Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Colour:** Opaque

**Odour:** Perfumed.

**pH** 7.5-8

**Specific Gravity:** 1

**Boiling Point:** 100 °C/212°F

**Freezing/Melting Point:** Not Available.

**Vapour Pressure:** Not Available.

**Vapour Density:** Not Available.

**% Volatile by Volume:** Not Available.

**Evaporation Rate:** Not Available.

**Solubility:** Completely soluble.

**VOCs:** Not Available.

**Viscosity:** Not Available.

**Molecular Weight:** Not Available.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** None known.

**Materials to Avoid:** None known

**Hazardous Decomposition Products:** Not available.

**Additional Information:**

No additional remark.

## 11. TOXICOLOGICAL INFORMATION

### Principle Routes of Exposure

**Ingestion:** Harmful if swallowed. May cause pain, nausea, vomiting and diarrhea.

**Skin Contact:** May cause mild skin irritation. **Inhalation:** May irritate the lungs. **Eye Contact:** May cause eye irritation.

**Additional Information:**

**Acute Test of Product: Acute Oral LD50:** Not Available. **Acute Dermal LD50:** Not Available. **Acute Inhalation LC50:** Not Available.

**Carcinogenicity:**

Ingredients	IARC - Carcinogens	ACGIH - Carcinogens
Alkyl benzenesulfonic acid	Not listed.	Not listed.
Ammonium Lauryl Sulfate	Not listed.	Not listed.
Alcohols, C11-14-iso-, CIS-rich, ethoxyiated	Not listed.	Not listed.
Sodium Xylenesulphonate (SXS)	Not listed.	Not listed.
Tetrasodium ethylene diamine tetraacetate	Not listed.	Not listed.

**Carcinogenicity Comment:** No additional information available.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** Not Available.

**12. ECOLOGICAL INFORMATION****Ecotoxicological Information:**

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Alkyl benzenesulfonic acid	Not Available.	Not Available.	Not Available.
Ammonium Lauryl Sulfate	Not Available.	Not Available.	Not Available.
Alcohols, C11-14-iso-, CIS-rich, ethoxyiated	Not Available.	Not Available.	Not Available.
Sodium Xylenesulphonate (SXS)	Not Available.	Not Available.	Not Available.
Tetrasodium ethylene diamine tetraacetate	LC50 (bluegill sunfish) 490 mg/L	Not Available.	Not Available.

**Other Information:**

No additional remark.

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

**14. TRANSPORT INFORMATION****DOT (U.S.):**

**DOT Shipping Name:** Not Regulated.

**DOT Hazardous Class:** Not Applicable.

**DOT UN Number:** Not Applicable.

**DOT Packing Group:** Not Applicable.

**DOT Reportable Quantity (lbs):** Not Applicable.

**Note:** No additional remark.

**Marine Pollutant:** No.

**ICAO/IATA:**

**IATA Proper Shipping Name:** Not Regulated.  
**IATA Hazard Class:** Not Applicable.  
**UN Number:** Not Applicable.  
**Packing Group:** Not Applicable.  
**IATA Label:** Not Applicable.  
**IATA Remarks:** No additional remark.

**IMDG:**

**IMDG Proper Shipping Name:** Not Regulated.  
**Hazard Class:** Not Applicable.  
**UN Number:** Not Applicable.  
**Packing Group:** Not Applicable.  
**Marine Pollutant:** No.  
**IMDG Label:** Not Applicable.  
**Remarks:** No additional remark.

**TDG (Canada):**

**TDG Proper Shipping Name:** Not Regulated.  
**Hazard Class:** Not Applicable.  
**UN Number:** Not Applicable.  
**Packing Group:** Not Applicable.  
**Note:** No additional remark.  
**Marine Pollutant:** No.

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**Note:** Not available.

**U.S. Regulatory Rules**

<b>Ingredients</b>	<b>CERCLA/SARA - Section 302:</b>	<b>SARA (311, 312) Hazard Class:</b>	<b>CERCLA/SARA - Section 313:</b>
Alkyl benzenesulfonic	Not Listed.	Not Listed.	Not Listed.
Ammonium Lauryl	Not Listed.	Not Listed.	Not Listed.
Alcohols, C11-14-iso-, CIS-rich, ethoxylated	Not Listed.	Not Listed.	Not Listed.
Sodium Xylenesulphonate (SXS)	Not Listed.	Not Listed.	Not Listed.
Tetrasodium ethylene diamine	Not Listed.	Not Listed.	Not Listed.

**California Proposition 65:** Not Listed.

**MA Right to Know List:** Not Listed.

**New Jersey Right-to-Know List:** Not Listed.

**Pennsylvania Right to Know List:** Not Listed.

**WHMIS Hazardous Class:** D2B TOXIC MATERIALS



## 16. OTHER INFORMATION

**Additional Information:**  
hazard criteria of the

This product has been classified in accordance with the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

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**\*\*\*END OF MSDS\*\*\***