

EcoLogic Solutions

PO Box 180482

Brooklyn, NY 11218

Business Phone: 1.718.435.5422

24-HR MEDICAL AND DOT EMERGENCIES: 1.800.477.2577

CANADIAN WHMIS CLASSIFICATION : D2B

MSDS #: MSDS E61009

<u>Hazard Rating</u>	<u>HMIS</u>	<u>NFPA</u>
Health	1	1
Flammability	0	0
Reactivity	0	0
Equipment	B	B

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product: E-6 Hand Dish Detergent

MSDS CODE: E61009

GENERIC DESCRIPTION

DATE ISSUED

SUPERSEDES

PREPARED BY

Manual Dishwashing Detergent

10-1-09

12-1-07

Regulatory Specialist

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Components*

CAS #

Proprietary Surfactant Blend

Proprietary

Amine Oxide

70592-80-2

Potassium Chloride

7447-40-7

d'Limonene

94266-47-4

INGREDIENT DETAIL & BLEND IS PROPRIETARY.

ALL COMPONENTS APPEAR ON THE TSCA INVENTORY. COMPONENTS NOT LISTED ABOVE ARE EITHER NON HAZARDOUS OR IN CONCENTRATIONS LESS THAN .1%.

SECTION 3: HAZARD IDENTIFICATION

ACUTE TOXICITY: Non-toxic

THRESHOLD LIMIT VALUE: No limit known

EFFECTS OF OVEREXPOSURE: Ingestion: Can damage esophagus. Burning of the mouth and/or irritation of the stomach can develop following ingestion. Eye contact: This material will cause eye irritation. Skin contact: Redness may develop on hands and forearms.

Dermatitis and skin sensitization can develop. Skin absorption: Systemically toxic concentrations will probably not be absorbed through the skin in humans. Inhalation: None known.

OTHER EFFECTS OF OVER EXPOSURE: None known.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes. If irritation persists have eyes examined and treated by medical personnel.

SKIN CONTACT: If irritation occurs remove contaminated clothing and footwear. Wash material off the skin with plenty of soap and water. Wash clothing and footwear before reuse.

INHALATION: If vapors are bothersome remove patient to fresh air.

INGESTION: Drink water to dilute. Induce vomiting only if advised by physician or poison control center. Call poison control center.

24-HR MEDICAL EMERGENCY PHONE: 1.800.477.2577

SECTION 5: FIRE & EXPLOSION DATA

LOWER FLAMMABILITY LIMITS: (% In Air)

Not pertinent

FLASH POINT: (And Method)

Not pertinent

FLAMMABILITY CLASSIFICATION:

Not flammable

UNUSUAL FIRE/EXPLOSION HAZARDS:

None known

RECOMMENDED EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical powder

SPECIAL FIRE FIGHTING PROCEDURES: None.

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF FIRE: No special precautions

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: Where possible flush down drain to waste treatment sewer; otherwise on small spills, use chemical absorbent and sweep up. For large spills, contain and collect.

WASTE DISPOSAL PROCEDURES: Dispose of this product or its residues in accordance with all local, state and federal requirements.

SECTION 7: HANDLING AND STORAGE

Keep out of reach of children. Avoid eye and prolonged skin contact.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required for recommended use

LOCAL EXHAUST: Normal room ventilation

PROTECTIVE GLOVES AND CLOTHING: None required under normal conditions.

EYE PROTECTION: None required for recommended use. If need is determined use safety glasses or face shield.

OTHER PROTECTIVE EQUIPMENT: As determined by or recommended by federal state or local regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	NE
SPECIFIC GRAVITY: (Water = 1)	1.04 ± .005
VAPOR PRESSURE AT 20C: (MM of HG)	Equivalent to water
VAPOR DENSITY: (Air = 1)	Equivalent to water
SOLUBILITY IN WATER:	Infinite
SOLUBILITY IN SOLVENT:	Miscible
EVAPORATION RATE:	Equivalent to water
APPEARANCE:	Clear Viscous liquid
ODOR:	Citrus
PH RANGE:	7.2 ± .5

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions

CONDITIONS TO AVOID: None known

INCOMPATIBILITY WITH OTHER MATERIALS: Acids, Chlorine Bleach, Oxidizers

HAZARDOUS DECOMPOSITION MATERIALS: None

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Oral Toxicity: This product is non-toxic based upon current information available to EcoLogic Solutions and provided by all ingredient manufacturers. **No PBTs:** This product contains none of the persistent, bioaccumulative and toxic chemicals (PBT) as listed by EPA: dioxins & furans, toxaphene, PCBs, Mirex, Mercury & compounds, Octachlorostyrene, alkyl-lead, DDT, Hexachlorobenzene, aldrin/dieldrin, benzo(a)pyrene and chlordane. **No Butyl:** Contains no 2-butoxyethanol (butyl). **No Endocrine Modifiers:** Based upon information provided by manufacturers of all ingredients used to manufacture this product, none of the ingredients used in this product contain APE, OPE, NPE or dibutyl phthalate. **Contains no sodium hypochlorite. Contains no perchloroethylene.**

SECTION 12: ECOLOGICAL INFORMATION

The ingredients are readily biodegradable. After this product's use, it will biodegrade in sewage systems and/or the environment. Contains no nonyl phenol ethoxylates or alkyphenol ethoxylates (APE). This product contains no ozone-depleting chlorinated compounds as specified by the Montreal Protocol. This product contains no paradichlorobenzene 1,4-dioxane, sodium hypochlorite, NTA or sodium EDTA. Product-formulation can benefit waste water.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Information: No special method. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials. Discarded product is not a hazardous waste according to OSHA. This product is not considered a hazardous waste as defined per OSHA. Observe all applicable Federal, State and Local regulations, rules and/or ordinances regarding disposal of non-hazardous materials.

SECTION 14: TRANSPORT INFORMATION

DOT EMERGENCY 24-HR: 1.800.477.2577

U.S. DOT Class: Not Regulated

DOT Shipping Name: Compound, Cleaning Liquid

SECTION 15: REGULATORY INFORMATION

SARA Title III Section 313 and 40 CFR Part 372 Notification: See section 2.

No ingredients in this product are currently listed as carcinogens by EPA or OSHA. All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16: OTHER INFORMATION

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact EcoLogic Solutions at 1.800.477.2577 or visit our website at www.ecologicolutions.com. Keep MSD Sheets filed and organized in an area accessible to workers according to the Hazard Communication Standards.

All information contained in this Material Safety Data Sheet is provided to the best of EcoLogic Solutions knowledge. No warranty is made with respect to this information, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the MSDS are suitable for their intended use. The information contained herein is confidential, intended solely for the user's internal use and may not be provided to any third parties. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this MSDS.