

SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT: **E-2** HEAVY DUTY DEGREASER CONCENTRATE

GENERAL DESCRIPTION:	Concentrated Heavy-Duty Degreaser
RECOMMENDED USE:	DILUTION RATIO – 1:32 of product to water *
SUPPLIER/MANUFACTURER:	EcoLogic Solutions Holdings Inc.
ADDRESS:	63 Flushing Ave, Unit 267, Brooklyn, NY 11205
EMERGENCY PHONE:	(800) 477-2577
BUSINESS PHONE:	(718) 435-5422 (Product Information)
E-MAIL:	info@ecologicsolutions.com
DATE OF PREPARATION:	1/22/14
DATE OF LAST REVISION:	3/12/14

*Recommended dilution: For general cleaning, dilute product 1:32 with water.

SECTION 2 – HAZARD IDENTIFICATION
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THRESHOLD LIMIT: Not established
ACUTE TOXICITY: Non-toxic

GHS HAZARD SYMBOL:



HAZARD RATING

HMIS

NFPA

HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0
SPECIAL	none	none



GHS PRECAUTIONARY STATEMENTS: **WARNING** – This product may be harmful if swallowed and could cause mild to moderate irritation in some cases.

HEALTH HAZARDS/EFFECTS OF OVEREXPOSURE:

Ingestion: May cause mild-moderate gastrointestinal tract irritation; swallowing may result in abdominal pain or vomiting (with blood). **Eye Contact:** May cause moderate eye irritation. **Skin Contact/Absorption:** May cause mild skin irritation.. Systematic absorption of toxic concentrations is not expected. **Inhalation:** May cause mild nose, throat and respiratory tract irritation. **Preexisting conditions:** Overexposure may aggravate/irritate preexisting medical conditions

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS #	% by Weight
Deionized Water	7732-18-5	to 100
Food Grade Dye		<1
Sodium Sesquicarbonate	533-96-0	5 - 10
Sodium Citrate	6132-04-3	3 – 8
Sodium Benzoate	532-32-1	0 - 2
Proprietary Surfactant Blend		
D-Limonene	5989-27-5	

***Recommended dilution:** For general cleaning, dilute product 1:32 with water.

SECTION 4 - FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INGESTION: Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than two glasses of water and induce vomiting by giving 30cc (2 tablespoons) Syrup of Ipecac**. If Ipecac is unavailable, give two glasses of water and induce vomiting by touching finger to back of victim's throat. Keep victim's head below hips while vomiting. **Get medical attention.**

INHALATION: Remove to fresh air and provide oxygen if breathing is difficult. Get medical attention.

EYE CONTACT: Immediately flush with plenty of water for at least 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT: If irritation occurs remove contaminated clothing and footwear. Wash off skin with plenty of water. Wash clothing and footwear before reuse. Get medical attention if irritation persists.

ALWAYS SEEK MEDICAL ATTENTION IF NECESSARY IN AN EMERGENCY

24-HR MEDICAL EMERGENCY PHONE: 1.800.477.2577

***NOTE TO PHYSICIAN: If victim is a child, give no more than 1 glass of water and 15cc (1 tablespoon) syrup of Ipecac. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage should be considered following incubation with a cuffed endotracheal tube.*

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT: None/Nonflammable- This product is not considered a fire hazard, nor will it support combustion.

EXTINGUISHING MEDIA: Use standard firefighting measures to extinguish fires involving this material (water spray, dry chemicals or foam).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL/RELEASE PROCEDURES: 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

EXPOSURE LIMIT GUIDELINES: None Established

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation to ensure exposure levels are maintained below the threshold limits provided above, *if applicable*

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below guidelines listed above, *if applicable*.
 No protective equipment is required for normal use in dilution. When handling concentrate, a face-mask or other appropriate measures may be taken as need determines/to prevent aggravating a pre-existing condition.

EYE PROTECTION: No protective equipment is required for normal use in dilution. When handling concentrate, safety glasses or chemical goggles may be worn as need determines/to prevent aggravating a pre-existing condition

HAND PROTECTION: No protective equipment is required for normal use in dilution. When handling concentrate, gloves may be worn as need determines/prevent aggravating a pre-existing condition.

BODY PROTECTION: No protective equipment is required for normal use.

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE:	100°C
SPECIFIC GRAVITY: (Water = 1)	1.10 ± .02
VAPOR PRESSURE AT 20C: (MM of HG)	Equivalent to water
VAPOR DENSITY: (Air = 1)	Equivalent to water
SOLUBILITY IN WATER:	Infinite
SOLUBILITY IN SOLVENT:	Moderate
EVAPORATION RATE:	Equivalent to water
APPEARANCE:	Red liquid
ODOR:	Natural Citrus Fragrance Added
pH-Concentrate:	11 ± 0.5
pH – In Use	10 ± 0.5
VOC:	<0.10%

SECTION 10- STABILITY AND REACTIVITY

CONDITIONS TO AVOID: None known
INCOMPATIBILITY WITH OTHER MATERIALS: None known
HAZARDOUS DECOMPOSITION MATERIALS: None known
HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable under normal conditions

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. **This product contains no ammonia. 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. **No petroleum distillates.**

SECTION 12 – ECOLOGICAL INFORMATION

The ingredients are readily biodegradable & non toxic to aquatic life. After this product's use, it will readily biodegrade in sewage systems and/or the environment. All ingredients are non-polluting. Contains no nonyl phenol ethoxylates or alkyphenol ethoxylates (APE). This product contains no ozone-depleting chlorinated compounds as specified by the Montreal Protocol. **No VOCs.** This product contains no paradichlorobenzene 1,4-dioxane, sodium hypochlorite, NTA or sodium EDTA.

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 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
DOT Shipping Name: Compound, Cleaning Liquid

U.S. DOT Class: Not Regulated

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.ecologicsolutions.com.

Keep Safety Data Sheets filed and organized in an area accessible to workers according to the Hazard Communication Standards.

All information contained in this 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 SDS 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 SDS.