



SAFETY DATA SHEET  
Enzyme Pool Refresher - 0470

**Product Name:** Enzyme Pool Refresher

**Revision Date:** 5/15/2015

**SECTION 1 IDENTIFICATION**

**Supplier:** Phoenix Products Company  
55 Container Drive  
Terryville, CT 06786  
(860) 589-7502

**Distributor:**

**U.S. PERS Emergency Telephone:** 1-800-633-8253

**Product Name:** Enzyme Pool Refresher

**Synonyms:** None

**Chemical Name:** Not Available

**Chemical Formula:** Not Available

**CAS Number:** Not Available

**Product Use:** Catalyzes the breakdown of body oils, sun-tan lotions and other organic contaminants.

**SECTION 2 HAZARDOUS COMPONENTS**

**Emergency Overview**

**OSHA Regulatory Status:** This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122). Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**Product Description:** Brown Liquid, Characteristic Odor

**Fire Hazards:** None

**Reactivity Hazards:** This product is not reactive.

**Environmental Hazards:** None

**Emergency Considerations:** None

**Symptoms Of Overexposure By Route Of Exposure:** The most significant routes of occupational overexposure are inhalation, ingestion, and contact with skin and eyes. The symptoms of overexposure to this product, via route of exposure, are as follows:

**-Inhalation:** Non-volatile contents

**-Contact With Skin Or Eyes:** Slight eye irritant in concentrated form. Prolonged exposure can cause irritation. Flush with copious amounts of water.

**-Skin Absorption:** Slight skin irritancy in concentrated form with prolonged exposure.

**-Ingestion:** No toxicity.

**-Injection:** Accidental injection of this product, via laceration or puncture by a contaminated object, may cause slight irritation in addition to the wound.

**-Health Effects Or Risks From Exposure:** An Explanation in Lay Terms. In the event of exposure, the following symptoms may be observed:

**Acute Or Chronic:** None. Tests show no inhalation/skin/ingestion toxicity.

**Target Organs:** None.

**SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**



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Trace components are present in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).

**SECTION 4      *FIRST-AID MEASURES***

**Skin Contact:** Slight skin irritancy in concentrated form with prolonged exposure. Flush with copious amounts of water.

**Eye Contact:** Slight eye irritant in concentrated form. Flush with copious amounts of water.

**Inhalation:** None. Tests show no inhalation/skin/ingestion toxicity.

**Ingestion:** None. Tests show no inhalation/skin/ingestion toxicity.

**Recommendations To Physicians:** Treat symptoms and eliminate overexposure.

**Medical Conditions Aggravated By Exposure:** Erythema with extended exposure.

**SECTION 5      *FIRE FIGHTING MEASURES***

**Flash Point:** Not flammable.

**Autoignition Temperature:** Not flammable.

**Flammable Limits (in air by volume, %):**

**Lower (LEL):** Not applicable.

**Upper (UEL):** Not applicable.

**Fire Extinguishing Materials:** Not applicable.

**Unusual Fire And Explosion Hazards:** This product poses no fire hazard

**Explosion Sensitivity to Mechanical Impact:** Not applicable.

**Explosion Sensitivity to Static Discharge:** Not applicable.

**Special Fire-Fighting Procedures:** None.

**SECTION 6      *ACCIDENTAL RELEASE MEASURES***

**Release Response:** Flush to sewage system or any disposal system.

**Waste Disposal Method:** Flush to any disposal system.

The minimum Personal Protective Equipment recommended for response to non-incident releases should be Level B: Gloves (neoprene gloves and/or nitrile gloves over latex gloves) and Goggles. Dispose of in accordance with applicable U.S. Federal, State, and local procedures or appropriate Canadian standards (see Section 13, Disposal Considerations).

**SECTION 7      *HANDLING AND STORAGE***

**Work And Hygiene Practices:** Observe good general housekeeping practices.

**Storage And Handling Practices:** The minimum Personal Protective Equipment recommended for response to non-



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incidental releases should be Level B: Gloves (neoprene gloves and/or nitrile gloves over latex gloves) and Goggles. Dispose of in accordance with applicable U.S. Federal, State, and local procedures or appropriate Canadian standards (see Section 13, Disposal Considerations).

**Protective Practices During Maintenance Of Contaminated Equipment:** None required.

**SECTION 8                    EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation And Engineering Controls:** None required

**Respiratory Protection:** None required

**Eye Protection:** Use approved safety goggles or safety glasses as described in OSHA 29 CFR 1910.133. If necessary, refer to U.S. OSHA 29 CFR 1910.133 or Canadian Standards.

**Hand Protection:** Wear chemical impervious gloves (e.g., rubber, Neoprene). If necessary, refer to U.S. OSHA 29 CFR 1910.138 or appropriate Standards of Canada.

**Body Protection:** None required.

**SECTION 9                    PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Brown Liquid
<b>Boiling Point:</b>	100° C (212°F)
<b>Freezing Point:</b>	0° C (32°F)
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	1.04 – 1.08
<b>Vapor Pressure (mmHg):</b>	As Water
<b>Vapor Density (Air = 1):</b>	1
<b>Melting Point: Liquid pH:</b>	8.5 – 9.6
<b>Solubility In Water:</b>	Infinite
<b>Log Water/Oil Distribution Coefficient:</b>	Not established
<b>Odor Threshold:</b>	Not established.
<b>Appearance, Odor And Color:</b>	Brown Liquid, Characteristic Odour
<b>Evaporation Rate:</b>	As Water

**SECTION 10                    STABILITY AND REACTIVITY**

**Stability:** Stable.

**Decomposition Products:** None.

**Conditions To Avoid:** None.

**Hazardous Polymerization:** Will not occur.

**Incompatibility (Materials to Avoid):** Oxidizing agents

**SECTION 11                    TOXICOLOGICAL INFORMATION**

**Toxicity Data:** Toxicology data for components greater than 1 percent in concentration is provided below:

LD50 (Oral-Rat) >2000 mg/kg (rat) – no potential hazard

LC50 (Oral-Rat) – Not Determined.

Inhalation: No potential hazard

Dermal: No potential hazard, very slight erythema

**Sensitization To Product:** None Determined.

**Carcinogenicity (WHMIS):** None Determined.

**Reproductive Toxicity:** None Determined.



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**Teratogenicity:** None Determined.

**Mutagenicity:** None Determined.

**Name of toxicologically synergistic products:** None Determined. The ECC criteria for classification and labeling requirements for dangerous substances and preparations found that NaturCare Enzymatic Pool Clarifier & Phosphate Remover showed no potential hazard is to be expected when humans or animals are accidentally exposed to this product by swallowing or through the skin and the eyes.

SECTION 12 **ECOLOGICAL INFORMATION**

**ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.**

**Environmental Stability:** The components of this product will decompose into other organic and inorganic compounds over time under normal environmental conditions.

**Effect Of Material On Plants Or Animals:** This product poses no harm to animal life if large volumes of it are released into the environment.

**Effect Of Chemical On Aquatic Life:** This product may be harmful to aquatic life if large volumes of it are released into an aquatic environment.

SECTION 13 **DISPOSAL CONSIDERATIONS**

**Preparing Wastes For Disposal:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations or those of Canada and its provinces. Flush spills to industrial sewer.

**Epa Waste Number:** Not regulated.

This product has been evaluated for RCRA characteristics and does not meet the criteria of hazardous waste.

SECTION 14 **TRANSPORTATION INFORMATION**

**DOT:** Not Regulated

**TDG:** Not Regulated

**MEX:** Not Regulated

**IMDG:** Not Regulated

**IATA:** Not Regulated

SECTION 15 **REGULATORY INFORMATION**

**Additional U.S. Regulations:**

**U.S. SARA REPORTING REQUIREMENTS:** No component of this product is subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb. (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.

**U.S. TSCA INVENTORY STATUS:** All components of this product are listed on the TSCA Inventory.

**OTHER U.S. FEDERAL REGULATIONS:** Not applicable.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** No component of this product is listed on the California Proposition 65 lists.

**Additional Canadian Regulations:**

**CANADIAN DSL/NDSL INVENTORY STATUS:** The components of this product are listed on the DSL Inventory.



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**OTHER CANADIAN REGULATIONS:** Not applicable.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITY SUBSTANCES LISTS:** Not applicable.

**CANADIAN WHMIS SYMBOLS:** None

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

SECTION 16 <b><i>OTHER INFORMATION</i></b>
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No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which information refers.

Date: 5/15/2015  
Phoenix Products Company