

SAFETY DATA SHEET

According to OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

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Material Name: *EnzyPure™*

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Chemical Name: *Proprietary Product*

Issue Date: 5/2015

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): EnzyPure
CHEMICAL NAME/CLASS: Pool Clarifier
PRODUCT USE: Enzyme Based Pool Clarifier
MANUFACTURER'S NAME: Nature Plus, Inc.
ADDRESS: 55 Rachel Drive
Stratford, CT 06614
USA
BUSINESS PHONE: (203) 380-0316
EMERGENCY PHONE: (203) 380-0316
DATE OF PREPARATION: May 10, 2013

2 COMPOSITION and INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS#	%w/w	EXPOSURE LIMITS IN AIR							OTHER mg/m ³
			ACGIH-TLV		OSHA-PEL		NIOSH			
			TWA mg/m ³	STEL mg/m ³	TWA mg/m ³	STEL mg/m ³	TWA mg/m ³	TEL mg/m ³	DLH mg/m ³	
Water	7732-18-5	60% to 100%	NE	NE	NE	NE	NE	NE	NE	NE
Proprietary Ingredients	None Determined	5% to 10%	NE	NE	NE	NE	NE	NE	NE	NE
Fermented Vegetable Extract	None Determined	1% to 5%	NE	NE	NE	NE	NE	NE	NE	NE
Other trace components represent in less than 1 percent concentration (0.1% concentration for potential carcinogens, reproductive toxins, respiratory tract sensitizers, and mutagens).		Balance	None of the other components in this mixture contribute significantly to the hazards associated with this component. All pertinent hazard information has been provided in this Material Safety Data Sheet, per the requirements of the U.S. Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalent Standards, and the Canadian Workplace Hazardous Materials Identification System Standards (CPR 4).							

*FIVE is a manually processed ferment of plant-based extracts & naturally occurring materials

NE = Not Established.

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-1998 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

3 HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: Brown Liquid, Characteristic Odour
Health Hazards: None. All constituents are not considered hazardous according to the Federal Hazard Communication Standard (29 CFR 1910.1200), DOT (49CFR171-180).
Fire Hazards: None
Reactivity Hazards: This product is not reactive.
Environmental Hazards: None
Emergency Considerations: None

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM

HEALTH HAZARD	1
FLAMMABILITY HAZARD	0
PHYSICAL HAZARD	0
PROTECTIVE EQUIPMENT	B

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate
3 = Serious 4 = Severe

Protective Equipment: Gloves and goggles recommended



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 solution. Prolonged exposure can cause irritation. Flush with copious amounts of water.
- **SKIN ABSORPTION:** Slight skin irritancy in concentrated solution 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.

3. FIRST-AID MEASURES

SKIN EXPOSURE: Slight skin irritancy with prolonged exposure. Flush with copious amounts of water.

EYE EXPOSURE: Slight eye irritant. Prolonged exposure can cause irritation. 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.

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.

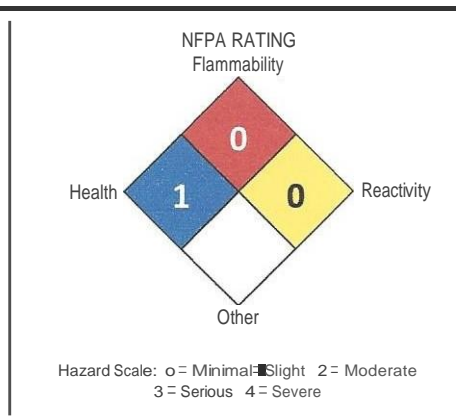
FIRE EXTINGUISHING MATERIALS: Not applicable.

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.



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).

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-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).

PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: None required.

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.

HAND PROTECTION: Wear chemical impervious gloves (e.g., rubber, Neoprene). If necessary, refer to U.S. OSHA 29 CFR 1910.138.

BODY PROTECTION: None required.

9. PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL STATE: Brown Liquid

FREEZING POINT: 0°C (32°F)

VAPOR PRESSURE (mmHg): As

Water MELTING POINT: Liquid

SOLUBILITY IN WATER: Infinite

ODOR THRESHOLD: Not established.

EVAPORATION RATE: As Water

HOW TO DETECT THIS SUBSTANCE (warning properties): Characteristic Odor.

BOILING POINT: 100°C (212°F)

SPECIFIC GRAVITY (H₂O = 1): 1.00-1.08

VAPOR DENSITY (Air = 1): 1

Q₁: 5.5-6.5

LOG WATER/OIL DISTRIBUTION COEFFICIENT: Not established

APPEARANCE, ODOR AND COLOR: Brown Liquid, Characteristic Odor

10. STABILITY and REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None.

INCOMPATIBILITY (Materials to Avoid): Oxidizing agents

DECOMPOSITION PRODUCTS: None.

HAZARDOUS POLYMERIZATION: Will not occur.

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.

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 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.

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.

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.

14. TRANSPORTATION INFORMATION

THIS PRODUCT IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS NUMBER and DESCRIPTION: Not Applicable

UN IDENTIFICATION NUMBER: Not Applicable

DOT LABEL(S) REQUIRED: Not Applicable

PACKAGING GROUP: Not Applicable

EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): Not Applicable

MARINE POLLUTANT: No component of this product is listed as a marine pollutant by the D.O.T. (49 CFR 172.101, Appendix B).

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.