

MATERIAL SAFETY DATA SHEET

MSDS No: NPP_SimplyPURE

Revisions: 1

Prepared: July, 2013

SECTION 1: Chemical Product and Company Identification

Product/Chemical Name: SimplyPure Enzyme Water Cleaner

Chemical Formula: Proprietary CAS Number: N/A

Other Designations: Mixed enzymes

General Use: Catalytic oxidation of water-born organic residues

Manufacturer: Natural Pool Products, Inc., 760 River Oaks Drive, Fairview, TX 75069

Telephone: (877)366-9628 Facsimile: (888) 215-5758 EMail: info@naturalpoolproducts.com

SECTION 2: Composition/Information on Ingredients

Ingredient Name CAS Number

Proprietary Mixed Enzymes Compounds N/A

Trace Impurities: <0.01%

OSHA PEL ACGIH TLV NIOSH REL NIOSH

INGREDIENT TWA STEL TWA STEL TWA STEL IDLH

Proprietary

Mixed Enzymes N/A N/A N/A N/A N/A N/A N/A

SECTION 3: Hazards Identification

Potential Health Effects

Primary Entry Routes: By ingestion and through skin contact.

Target Organs: Blood and liver with substantial ingestion of as-received product.

Acute Effects

Inhalation: None. Eye: Possible temporary irritation Skin: Possible mild irritant with drying/defatting

Ingestion: With substantial ingestion of the as-received product, with possible gastrointestinal irritation.

Carcinogenicity: IARC, NTP, and OSHA do not list SimplyPure Enzyme Water Cleaner as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: None known.

Chronic Effects: There are no known chronic effects, except as indicated above under Acute Effects.

HMIS

H 1

F 0

R 0

PPE*

*sec.8

SECTION 4: First Aid

Inhalation: In the improbable event of product mist inhalation, remove the affected individual to fresh air and provide

artificial respiration as required. Obtain medical attention.

Eye Contact: Flush thoroughly with water for 5 minutes. Obtain medical attention if irritation of eye membranes

occurs.

Skin Contact: Wash contacted areas with soap and water.

Ingestion: Drink several glasses of water. Obtain medical attention if gastrointestinal irritation occurs.

After first aid, get appropriate in-plant, paramedic, or community medical support if exposure symptoms persist.

Note to Physicians: Under normal use and human exposure conditions, the product is considered nontoxic and nonhazardous.

Temporary, severe eye irritation, possible effects in blood and liver with substantial ingestion of as-received product..

SECTION 5: Fire Fighting Measures

Flash Point: None Flash Point Method: N/A

Burning Rate: N/A Autoignition Temperature: N/A

LEL: N/A UEL: N/A

Flammability Classification: N/A Extinguishing Media: N/A

Unusual Fire or Explosion Hazards: None.

Hazardous Combustion Products: Thermal oxidative decomposition of the product may release toxic fumes of hydrogen chloride, and oxides of carbon, nitrogen.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

MSDS No: NPP_SimplyPURE Enzyme Water Cleaner

SECTION 6: Accidental Release Measures

Spill /Leak Procedures:

Small & Large Spills:

Containment: For all spills, pick up mechanically and place in suitable container for disposal. Do not release into sewers or waterways.

Cleanup: After product recovery and removal, flush spill area with water to a sanitary sewer.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7: Handling and Storage

Handling Precautions: Wear appropriate eye and glove protection to minimize exposure.

Storage Requirements: Do not store with oxidizing materials. Keep containers sealed, store at temperatures below 120° F

Regulatory Requirements: None established

SECTION 8: Exposure Control and Personal Protection

Engineering Controls:

Ventilation: In the improbable event of product misting, provide general or local exhaust ventilation systems to minimize airborne concentrations. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: If product misting occurs, follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker

protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. . If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves to prevent prolonged or repeated skin contact.

Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR

1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove

material from your shoes and clean personal protective equipment after use.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. As with all chemical substances, please use caution and keep away from children.

FIRE HAZARD
REACTIVITY
SPECIFIC
HAZARD
HEALTH
HAZARD

1

SECTION 9: Physical and Chemical Properties

Physical State: Liquid. Water Solubility: Completely soluble

Appearance and Odor: Clear, light amber with little or no odor Other Solubilities: Insoluble in hydrocarbons

Odor Threshold: Not determined Boiling Point: >212°F

Vapor Pressure: Not determined Freezing Point: < 32°F

Vapor Density (Air=1): Not Determined Viscosity: Not Determined

Formula Weight: N/A Refractive Index: Not Determined

Density: 8.5 lbs./gallon, typical. Surface Tension: Not Determined

Specific Gravity (H₂O=1, at 4 °C): 1.08 % Volatile: Not Determined

pH: 4.0-5.0 Evaporation Rate: Not Determined

MSDS No: NPP_SimplyPURE Enzyme Water Cleaner

SECTION 10: Physical and Chemical Properties

Stability: SimplyPURE is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Do not store with oxidizers or acidic agents.

Conditions to Avoid: Do not use as-received product with stainless steel storage containers or equipment – chloride corrosion will occur.

Hazardous Decomposition Products: Thermal oxidative decomposition of PURE can produce fumes of hydrogen chloride, and oxides of carbon, and nitrogen

SECTION 11: Toxicological Information

Toxicity Data:

Eye Effects: As received, irritation of eye membranes Acute Inhalation Effects:

Human, inhalation, TLo: Not established.

Skin Effects: As received, irritating effect Acute Oral Toxicity: Rat, oral, LD50: 4200 kg (as 100% LaCl3)

Ingestion Effects: See Potential Health Effects Chronic Effects: None known

Carcinogenicity: None known

Mutagenicity: None known

Terratogenicity: None known

SECTION 12: Ecological Information

Ecotoxicity: Specific data not established. Under prescribed conditions of use, will not be toxic to mammalian, reptilian or piscine species.

Environmental Fate

Environmental Transport: Water or soil

Environmental Degradation: Not established

Soil Absorption/Mobility: Not established

SECTION 13: Disposal Considerations

Disposal: Contact Natural Pool Products, Inc., your local supplier or a licensed contractor for detailed recommendations.

Recovered spilled product may be disposed of by either landfill or incineration. Follow applicable Federal, state, and local regulations.

Disposal Regulatory Requirements: None.

Container Cleaning and Disposal: Thoroughly clean empty containers with water and recycle. Do not use empty containers for food storage.

MSDS No: SimplyPURE Enzyme Water Cleaner

SECTION 14: Transport Information

Shipping Name: Chemicals NOS Packaging Authorizations Quantity Limitations

Shipping Symbols: None. a) Exceptions: N/A a) Passenger, Aircraft, or Railcar: None.

Hazard Class: Nonhazardous. b) Non-bulk Packaging: N/A b) Cargo Aircraft Only: None.

ID No.: None. c) Bulk Packaging: N/A

Packing Group: N/A Vessel Stowage Requirements

Label: None. a) Vessel Stowage: None.

Special Provisions (172.102): None b) Other: N/A

SECTION 15: Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec.

307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ): None.
SARA 311/312 Codes: None.
SARA Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)
OSHA Regulations:
Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed
OSHA Specifically Regulated Substance (29CFR 1910): Not listed.
State Regulations: None.

SECTION 16: Other Information

Prepared By: Jarred Morgan

Revision Notes: April 2014

Additional Hazard Rating Systems: None.

Disclaimer: The information contained herein is furnished without warranty, representation or license of any kind, except

that it is accurate to the best knowledge of Natural Pool Products, Inc. or obtained from sources believed to be accurate.

Natural Pool Products, Inc. does not assume any legal responsibility for use of or reliance upon such information. Before

using this or any other Natural Pool Product, read all package labels, product data information and applicable Material

Safety Data Sheets.

Copyright © Natural Pool Products, Inc. 2013