

## SAFETY DATA SHEET

Date issued : 06/10/2024

SDS number : Life ENZ-ALL - Canada

## Life ENZ-ALL

## 1. Identification

**Product identifier:** Life ENZ-ALL**Relevant identified uses:** Enzyme treatment for spas**Distributor**

Alliance Trading, Inc.  
109 North Park Blvd., 4th Floor  
Covington, LA 70433

**Emergency telephone number (24 hour)**

24 Hour Emergency Phone Number: 1-888-670-7665

## 2. Hazard identification

**Label elements**

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Precautionary statement(s)****Supplemental label elements:**

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P332+P313: If skin irritation occurs: Get medical advice/attention.

P264: Wash ... thoroughly after handling.

## 3. Composition/information on ingredients

Chemical name	% w/w
Proprietary Blend of Mixed Enzymes	100

**Comments:** This product is an aqueous solution of mixture of enzymes as the primary mechanism for digesting non-living organics and oil from water. The exact formulation is a trade secret.

## 4. First-aid measures

**Eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin:** Flush skin with plenty of soap and water, removing contaminated clothing. If irritation persists, consult a physician.

**Ingestion:** Give large amounts of water. Do not induce vomiting. If spontaneous vomiting is inevitable, prevent aspiration by keeping victim's head below the knees. Get immediate medical attention.

**Inhalation:** If adverse effects occur, remove to uncontaminated area. If symptoms of overexposure occur, get medical attention.

**Indication of immediate medical attention and special treatment needed, if necessary:** Under normal use and conditions, the product is considered nontoxic and nonhazardous.

## 5. Fire-fighting measures

**Suitable extinguishing media:** Water fog or fine water spray, dry chemicals, carbon dioxide, sand or foam.

**Fire fighting equipment:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental release measures

**Small spill:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Large spill:** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dispose in accordance with all local, state, and federal regulations.

**Environmental precautions**

**Water spill:** Prevent entry into waterways, sewers, basements or confined areas. Absorb with liquid-binding materials (sand, universal binders,

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sawdust).

**Special protective equipment:** Wear appropriate protective equipment and clothing during clean-up.**7. Handling and storage****Precautions for safe handling:** Wear appropriate personal protective equipment (PPE). Avoid contact with skin and eyes. Wash hands thoroughly after handling.**Conditions for safe storage:** Store this product below 120°F (49°C), preferably below 75°F (24°C), in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. For best results, use within 12 months.**8. Exposure controls/personal protection****Individual protection measures, such as personal protective equipment****Eye / face protection:** General eye protection suggested when handling any chemical product. Eye wash fountain is recommended.**Skin protection - hand protection:** Chemical-resistant gloves.**Respiratory protection:** No respirator is required under normal conditions of use.**Skin protection - other:** Protective work clothing.**Occupational hygiene practices:** Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.**9. Physical and chemical properties****Physical state:** Liquid**Appearance:** Clear light amber**Odor:** Mild.**pH:** 3.5 to 4.0 77°F (25°C)**Freezing point:** < 0°C (32°F)**Initial boiling point and boiling range:** > 100°C (212°F)**Flash point:** Not Available**Evaporation rate (n-butyl acetate = 1):** <0.01 \*N-butyl acetate = 1**Flammability:** Not Available**Vapor pressure:** <0.01 mm Hg @ 68°F (20°C)**Relative vapor density:** Similar to water.**Density:** 8.3-8.5 lbs gal**Relative density:** 1.00 to 1.02 at 25°C (77°F)**Solubility:** Complete.**Auto-ignition temperature:** Not Available**VOC content:** Negligible**10. Stability and reactivity****Dangerous polymerization:** Will not occur.**Chemical stability:** Stable under normal conditions.**Conditions to avoid:** See Section 7.**Hazardous decomposition products:** None known.**Incompatible materials:** Strong oxidizing agents, alkalis.**11. Toxicological information**

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## Acute toxicity

**Notes:** LD/LC50 values that are relevant for classification: Product has not been tested. Based on the known information of the ingredients, product is expected to have a low order of acute toxicity. (>2,000 mg/kg)

**Skin corrosion / irritation:** No irritant effect.

**Serious eye damage / irritation:** May cause discomfort, yet not an eye irritant.

**Respiratory or skin sensitization:** No sensitizing effects known.

## Carcinogenicity

**IARC:** None of the ingredients are listed as carcinogens.

**NTP:** None of the ingredients are listed as carcinogens.

**Comments:** None of the ingredients are listed as carcinogens.

## 12. Ecological information

**Ecotoxicological information:** Readily biodegradable.

## Aquatic toxicity, both acute and chronic

**96-hour LC<sub>50</sub>:** < .59 mg/kg (fathead minnow)

**48-hour EC<sub>50</sub>:** < .36 mg/kg (daphnia)

**Comments:** This product contains no PBT/vPvB chemicals.

## 13. Disposal considerations

**Disposal methods:** Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

## 14. Transport information

## USA Department of Transport Regulations (DOT)

**UN proper shipping name:** NMFC 48580.3 Cleaning/Scouring/Wash Comp Class 55

**Technical name:** Not Regulated.

## ICAO / IATA - air

**UN proper shipping name:** Not Regulated.

## IMO / IMDG - International

**UN proper shipping name:** Not Regulated.

## 15. Regulatory information

## UNITED STATES

## SARA Section 311/312 Hazard Categories

**311/312 Health hazards:** Not listed.

**313 reportable ingredients:** No reportable chemicals.

## CERCLA Hazardous Substances and Reportable Quantities (RQ)

**CERCLA regulatory:** Not listed.

**CERCLA rq:** No.

**California Proposition 65:** There are no chemicals present known to the State of California to cause cancer.

## 16. Other information

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HMIS rating		
Health		1
Flammability		0
Physical hazard		0
Personal protection	B	

