

SAFETY DATA SHEET

Orb-3® Pool Enzymes Pro

Section 1. Identification

Product identifier: Orb-3® Pool Enzymes Pro
Product code: M411-000
Recommended use: For cleaning pool water.
Manufacturer: Great Lakes Bio Systems, Inc.
13916 Leetsbir Road, Sturtevant, WI 53177.
Technical support: 800-236-1366
Chemical emergency: Chemtrec: 800-424-9300

Section 2 – Hazards Identification

Classification of the substance or mixture:

The product is not classified according to the Globally Harmonized System (GHS).

Label elements:

•Hazard pictograms: None
•Signal word: None
•Hazard statement: None

Classification system:

HMIS ratings: Health: 1
Flammability: 0
Physical hazard: 0

NFPA ratings:

Health: 1
Flammability: 0
Reactivity: 0

Other hazards:

Personal Protection Index: B

Section 3 – Composition / Information on Ingredients

Orb-3® Pool Enzymes Pro is a proprietary composition that contains no hazardous ingredients at reportable concentrations.

Section 4 – First Aid Measures

Eye contact:

Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Skin contact:

Flush skin with large amounts of water. Remove any contaminated clothing and wash before reuse. Seek medical attention if irritation occurs.

Inhalation:

If symptoms are experienced, remove source of contamination and/or move victim to fresh air. If breathing is difficult, have trained personnel administer oxygen. If respiration stops, have trained personnel administer artificial respiration. Get medical attention immediately.

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.

Section 8 – Exposure Controls, Personal Protection

Personal protection

- Eyes:** General eye protection suggested when handling any chemical product. Eye wash fountain is recommended.
- Hands:** Chemical-resistant impervious gloves complying with an approved standard should be used at all times when handling chemical products.
- Breathing equipment:** Not required
- Body protection:** Protective work clothing.
- General measures:** Wear appropriate personal protective equipment (PPE). Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using the toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9 – Physical & Chemical Properties

- Appearance:** Translucent light amber liquid.
- Odor:** Mild
- Odor threshold:** Not Measured
- pH:** 3.3 – 3.9 @ 77° F (25° C)
- Freezing point:** < 32 ° F (0° C)
- Boiling point:** >212 ° F (100° C)
- Flash point:** Not available
- Evaporation rate:** <0.01 *N-butyl acetate = 1
- Flammability (solid, gas):** Not available
- Lower and upper explosive limits:** Not available
- Vapor pressure:** <0.01 mm Hg @ 68° F (20° C)
- Vapor density (air = 1):** Same as water.
- Specific gravity:** 1.00 – 1.02 @ 77° F (25° C)
- Weight:** 8.3 – 8.5 lbs. /gallon.
- Solubility in water:** Complete
- Partition coefficient n-octanol/water:** Not available
- Auto-ignition temperature:** Not available
- Decomposition temperature:** Not available
- Viscosity:** Not available
- VOC:** Negligible

Section 10 – Stability & Reactivity

- Reactivity:** Hazardous polymerization will not occur.
- Chemical stability:** Stable under normal circumstances.
- Possibility of hazardous reactions:** Strong oxidizing agents, alkalis.
- Conditions to avoid:** See Section 7.

Section 13 – Disposal Considerations

Waste treatment 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.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

Section 14 – Transportation Information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
UN number:	Not Applicable	Not Applicable	Not Applicable
UN proper shipping name:	NMFC 48580.3 Cleaning/Scouring/Wash Comp Class 55	Not Regulated	Not Regulated
Transport hazard class (es):	DOT Hazard Class: Not Applicable DOT Label: ---	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
Packing group:	Not Applicable	Not Applicable	Not Applicable
Environmental hazards:	IMDG Marine Pollutant: No		
Special precautions for user:	No further information		
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not Applicable		

Section 15 – Regulatory Information

Regulatory overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

DSL (Canada): This product and/or all of its components are either included on or exempt from the Domestic Substances List.

US EPA Tier II Hazards:
Fire: No
Sudden Release of Pressure: No
Reactive: No
Immediate (Acute): Yes
Delayed (Chronic): No