



M.S.D.S.

1. Identification of the substance/preparation and company/undertaking.

NAME **BIO-SYSTEMS Pool LPC**

MSDS No **Pool LPC USA**

Synonyms: enzyme product

Common uses: Pool and Spa Cleaner

Supplied by: BIO-SYSTEMS International

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Beloit, WI
53511

Tel: 608-365-9550

Fax: 608-365-9467

Emergency No. (Office hours): 800-232-2847

Emergency No. (24 hours): 608-365-9550

2. Composition/information on ingredients.

Components not listed are either non hazardous or in concentration of less than 1%

Liquid Enzyme	CAS	9000-90-2
Water	CAS	7732-18-5
Surfactant	CAS	N/A
Propylene Glycol	CAS	57-55-6

<u>Hazardous ingredient / impurity</u>	<u>% Conc.</u>	<u>Classification</u>	<u>Exposure</u>	<u>CAS</u>	<u>EINECS</u>
None					

3. Hazards identification.

Classification:

Surfactant blend non hazardous.

Irritating to skin, risk of serious damage to eyes.

4. First Aid measures.

Immediate medical attention is required in case of exposure by inhalation, contact with skin or eyes, or if swallowed.

<u>Exposure Route</u>	<u>Symptom</u>	<u>Treatment</u>
Inhalation	May cause irritation	Remove from exposure, rest and keep warm. In severe cases, or if recovery is not rapid or complete seek medical attention.
Skin Contact	Redness and irritation	Drench the skin with plenty of water. Remove contaminated clothing and wash before reuse. If large areas of the skin are damaged or if irritation persists seek medical attention.

Pool LPC USA

Appearance	Water like liquid, dyed blue
Odor	Citrus
pH	Neutral 6.0 to 9.0
Boiling Point/range	Similar to water
Melting Point/range	Similar to water
Flash point	Not Applicable
Flammability	Not flammable under normal conditions of storage and handling.
Autoignition temperature	Not Applicable
Explosive limits	Not applicable
Oxidizing Properties	None
Vapour Pressure	Similar to water
Relative density	0.95 to 1.05
Solubility in water	Soluble. Disperses in water.
Solubility in solvent	Not soluble
Partition coefficient	Not Applicable
Viscosity	Similar to water
Vapor density	Similar to water
Evaporation rate	Similar to water
Conductivity	Same as water

10. Stability & Reactivity.

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Accumulations of product in enclosed spaces and generation of mist.

Materials to avoid: None known

Hazardous decomposition products: None known

11. Toxicological Information.

Toxicological effects: Not known

12. Ecological Information.

Environmental Effects: Minimal impact under normal conditions of use and storage.

Mobility: disperses in water

Degradability: contents are biodegradable

Bioaccumulative potential: Not Likely

Aquatic Toxicity: Not Known

13. Disposal considerations.

Substance: Via an authorized waste disposal contractor to an approved waste disposal site, observing all local and national regulations.

Container: As substance.

14. Transport Information. Not regulated for transport

Pool LPC USA

UN number	Class
Primary Hazard	Subsidiary Hazard
Packing Group	Emergency Action Code
H.I. Number	Marine Pollutant
Proper Shipping name Water treatment compounds	

15. Regulatory Information.

Label Name BIO-SYSTEMS Pool LPC
Symbols no risk or safety phrases stipulated
Risk Phrases no risk or safety phrases stipulated
Safety Phrases no risk or safety phrases stipulated

Use of this material may be governed by the following regulations:- (users are advised to consult these regulations for further information).

The information contained in this data sheet does not constitute an assessment of workplace risks.

16. Other Information.

This material must not be used for direct contact with food:

Further details may be available upon request from your local BIO-SYSTEMS International distribution site.

Other: The product has been shown to be free of Salmonella and Shigella using the procedures outlined by AOAC and USDA.

Legal Disclaimer:

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