



Safety Data Sheet (SDS)

OSHA Hazard Communication Standard 29 CFR 1910.1200

Lo-Phos E+

February 8, 2018

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product/Trade Name: Lo-Phos E+ (LPE008)

1.2 INTENDED USE OF THE PRODUCT

Phosphate reduction product with enzymes for pool water treatment.

1.3 NAME, ADDRESS, TELEPHONE OF MANUFACTURER

Lo-Chlor L.L.C.
5841 Powerline Road, Suite 202
Ft. Lauderdale, FL 33309
800-491-9810
Fax: 954-491-2311
www.lo-chlor.com

1.4 EMERGENCY TELEPHONE NUMBER

Emergency number: 1-800-424-9300
For chemical emergency, spill, leak, fire, exposure, or accident, call Chemtrec, day or night

SECTION 2: HAZARDS IDENTIFICATION

2.1 EMERGENCY OVERVIEW: Avoid contact with eyes. Mild skin irritation.

2.2 POTENTIAL HEALTH EFFECTS

Eyes: Contact with eyes can cause severe irritation.
Skin: May cause irritation upon prolonged contact.
Inhalation: Unknown
Ingestion: May cause strong acid condition in the gastrointestinal tract.

2.3 PRECAUTIONARY STATEMENTS

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P281	Use personal protective equipment as required.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Proprietary composition "not considered hazardous" under the OSHA Hazard Communication Standard CFR Title 29 1910.1200.



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SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST-AID MEASURES

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid after inhalation: Supply fresh air; consult doctor in case of complaints. If breathing is difficult, have trained personnel administer oxygen. Get medical attention immediately.

First-aid after skin contact: Immediately rinse with water. Remove any contaminated clothing and wash before reuse. Get medical attention if irritation develops.

First-aid after eye contact: 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 occurs.

First-aid after swallowing: 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 medical attention immediately.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS/BOTH ACUTE AND DELAYED

No further relevant information available.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION/SPECIAL TREATMENT NEEDED

If medical advice is needed have product container or label at hand.

No further relevant information available.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing agents:

Water fog or fine spray, carbon dioxide, dry chemical or foam.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

5.3 ADVICE FOR FIREFIGHTERS

Protective equipment:

Exercise caution when fighting any chemical fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

General measures: Isolate area. Keep unnecessary personnel away. Keep out of low areas. Ventilate closed spaces before entering. Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices.

6.2 ENVIRONMENTAL PRECAUTIONS

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas.



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6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Absorb and/or contain spill with a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Clean up spill immediately and dispose of contaminated material as waste according to Section 13.

6.4 REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on exposure control and personal protection equipment.

See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling: Open and handle receptacle with care. Avoid contact with skin and eyes. Use in well-ventilated areas. Use local exhaust ventilation, if necessary.

Hygiene measures: Use appropriate personal protection equipment (PPE). Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions: Keep container tightly closed in a cool, dry, well-ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight. Store this product below 120°F, preferably below 75°F. For best results, use product within 24 months.

Incompatible products: Strong oxidizing agents, alkalis.

Incompatible materials: No further relevant information available.

7.3 SPECIFIC END USE(S)

No further relevant information available.

SECTION 8: EXPOSURE CONTROLS/CHEMICAL PROPERTIES

8.1 CONTROL PARAMETERS

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 EXPOSURE CONTROLS

Appropriate engineering controls: Provide adequate ventilation or other engineering controls. Eyewash stations and safety showers are recommended in the work-station location.

Personal protective equipment:



Hand protection: Wear chemically resistant protective gloves.

Eye protection: Chemical goggles or safety glasses.



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Skin and body protection: Wear suitable protective clothing.

Respiratory protection: If irritation is experienced, use respiratory filter device.

General protection: When using, do not eat, drink or smoke. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Appearance	:	Translucent liquid
Color	:	Light yellow
Odor	:	None
Odor threshold	:	No data available
pH	:	≈4
Melting point	:	No data available
Freezing point	:	37° F
Boiling point	:	212° F
Flash point	:	None
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	Not applicable
Specific gravity	:	≈1.1
Solubility	:	Complete

9.2 OTHER INFORMATION

No further relevant information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

None known.

10.2 CHEMICAL STABILITY

Product is stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

10.4 CONDITIONS TO AVOID

Temperature extremes.

10.5 INCOMPATIBLE MATERIALS

Strong oxidizing agents, alkalis.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None under normal storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Not available.



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SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Aquatic toxicity: No relevant information available.

12.2 PERSISTENCE AND DEGRADABILITY

No relevant information available.

12.3 BIOACCUMULATIVE POTENTIAL

No relevant information available.

12.4 MOBILITY IN SOIL

No relevant information available.

12.5 ADDITIONAL ECOLOGICAL INFORMATION

No further relevant information available.

12.6 OTHER ADVERSE EFFECTS

No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Waste disposal recommendations: Dispose of contents/container in accordance with local, regional, and national regulations. Do not allow product to reach sewage system.

SECTION 14: TRANSPORT INFORMATION

14.1 UN NUMBER

Non-hazardous

14.2 PROPER SHIPPING NAME

DOT: Not regulated.
ADR
IATA
IMDG

14.3 DOT PACKING GROUP

Not applicable

14.4 HAZARD CLASS

Not applicable



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SECTION 15: REGULATORY INFORMATION

15.1 TSCA INVENTORY STATUS

This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

15.2 DSL (CANADA)

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

SECTION 16: OTHER INFORMATION

16.1 CLASSIFICATION SYSTEM

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

NFPA ratings (scale 0 - 4)



Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	0
REACTIVITY	0

Health = 1
Fire = 0
Reactivity = 0

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