

LAKE RESTORATION, INC.

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identity: Sapphire Bay® Blue Pond Dye

Recommended use of the chemical and restrictions on use:

Product use: Colorant for ponds, water features, or other enclosed bodies of water.

Uses advised against: None known

Company: Lake Restoration, Inc.
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Rogers, MN 55374

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Emergency phone: (800) 255-3924 (ChemTel, Inc.)
(800) 222-1222 (National Capital Poison Control Center)

2. HAZARDS IDENTIFICATION

GHS classification: None required

GHS label elements: Not applicable

Other hazards: Not applicable

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization: Proprietary blend

4. FIRST AID MEASURES

General information: Take off immediately all contaminated clothing.

Eye contact: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

Skin contact: Cleanse with plenty of water, soap, or other non-irritating cleansing agents.

Inhalation: Upon inhalation of aerosol/vapor/dust: take the patient into the fresh air. If there is difficulty breathing, medical advice is required.

Ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

Most important symptoms: No information available.

Indication of immediate medical attention/special treatment: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media:	Product itself is non-combustible. Use measures appropriate to local circumstances and surrounding environment.
Special hazards:	Not determined
Fire-fighting protection:	Firefighters should wear positive pressure self-contained breathing apparatus and full protective gear.
Further fire information:	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	Use the necessary personal protection equipment during any work.
Environmental precautions:	Do not empty pure dye product into drains or waters not in the user's control.
Methods for containment and clean-up:	Take up with absorbent material and fill into a closable container.
Reference to other sections:	For further disposal measures see section 13.

7. HANDLING AND STORAGE

Precautions for safe handling:	Close container immediately after use. Avoid excessive heat. Do not allow to dry out.
Fire and explosion protection:	No special measures against fire or explosion are required.
Precautions for safe storage:	Store sealed in original container in a cool place. Storage period: 2 years

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure limits:	This product, as supplied, does not contain any ingredients with occupational exposure limits to be monitored.
Exposure controls:	Do not breathe vapor/ spray. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.
Hygiene measures:	Do not eat, drink, or smoke at work. Wash hands before breaks and at end of work, and use skin-protecting ointment. Keep away from food and drink stuffs.
Respiratory protection:	Respiratory protection required in insufficiently ventilated working areas.
Hand protection:	Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately. Avoid skin contact with the wetted surfaces of the protective gloves.
Eye protection:	Wear safety glasses with side protection shield.
Body protection:	Wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue liquid	Flammable Limits: LEL: Not determined UEL: Not determined
Odor: odorless	Vapor Pressure: Not determined
Odor Threshold: Not determined	Vapor Density: Not determined
pH: 3.5 – 4.5	Relative Density: 1.16 g/cm ³ (20° C)

Melting/Freezing Point: Not determined	Solubility (ies): soluble in water
Initial Boiling Point/Range: 100° C	Partition Coefficient Octanol/Water: Not determined
Flashpoint: > 93.3° C	Auto-ignition Temperature: Not determined
Evaporation Rate: Not determined	Decomposition Temperature: Not determined
Flammability (solid, gas): Not determined	Viscosity: Not determined

10. STABILITY AND REACTIVITY

Reactivity:	No hazardous reactions when stored and handled according to prescribed instructions.
Chemical stability:	No thermal decomposition when stored and handled correctly.
Possibility of hazardous reactions:	No hazardous reactions when used as directed.
Conditions to avoid:	Avoid extreme temperatures and direct sunlight.
Incompatible materials:	None known based on information supplied.
Hazardous decomposition products:	Not applicable

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

Irritant effect on eyes:	Non-irritant (rabbit eye)
Acute dermal toxicity:	Not determined
Irritant effect on skin:	non-irritant (rabbit)
Acute inhalation toxicity:	Not determined
Ingestion:	Not an expected route of exposure. Do NOT taste or swallow.
Chronic:	No data available
Sensitization:	Non-sensitizing. Method: mouse local lymph node assay (LLNA)
Repeated dose toxicity:	631 mg/kg (rat) NOAEL
Carcinogenicity:	No indications of carcinogenic effects according to animal experiments
Mutagenicity:	No indication of mutagenic effects
Teratogenicity:	No indication of teratogenic effects
Numerical measures of toxicity:	Acute oral toxicity > 5,000 mg/kg. Test results of an analogous product. Acute oral toxicity > 2,000 mg/kg. Test results of an analogous product.
Primary routes of exposure:	Inhalation, skin contact, eye contact, ingestion – yes. Skin absorption – no.
Effects of overexposure:	Not expected to cause significant irritation. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.
Carcinogen status:	IARC, NTP, OSHA, ACGIH, CalProp65 – no.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	
Fish toxicity:	LC50 > 100 mg/l
Daphnia toxicity:	EC50 > 100 mg/l (48 h, Daphnia magna)
Algae toxicity:	ErC50 > 200 mg/l (7 h) Method: OECD 221
Bacteria toxicity:	EC50 > 1,000 mg/l (3 h, activated sludge) Method: OECD 209

Persistence and degradability: Not easily biodegradable (by OECD criteria). If regulations are followed when introducing effluent into biological waste-water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.

Physico-chemical eliminability: Not determined

Behavior in environmental

compartments: Not determined

Dissolved organic carbon (DOC):Not determined

Chemical oxygen demand (COD):Not determined

Biochemical oxygen

demand (BOD5): Not determined

Bioaccumulative potential: Not determined

Mobility in soil: Not determined

Results of PBT and vPvB

assessment: Not determined

Other adverse effects: Not determined

This product does not add to the AOX-value of the sewage. (DIN EN 1485)

This product does not release nitrogen which can contribute to eutrophication.

This product does not contain phosphates or organophosphorus compounds.

This product does not contain heavy metals in concentrations of concern for waste water.

13. DISPOSAL CONSIDERATIONS

Product waste methods: Dispose of in accordance with local authority regulations.

Packaging waste methods: Soiled, empty containers are to be treated in the same way as the contents.

14. TRANSPORT INFORMATION

DOT information:

CFR Non-dangerous goods

IMDG Non-dangerous goods

IATA_C Non-dangerous goods

IATA_P Non-dangerous goods

Special precautions for user: No information available

Transport in bulk according to

Annex II of MARPOL 73/78

and the IBC code: No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.

15. REGULATORY INFORMATION

U.S. Regulations:

TSCA: The components of this product are listed on the TSCA inventory.

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312: Not regulated

HMIS code: 1 – 1 – 0 – B

Chemical safety assessment: Not determined

16. OTHER INFORMATION

Date of current revision: 2/6/23
Revision summary: New SDS
Date of previous revision: None

NOTICE

The above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lake Restoration, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.