

SECTION 1: Identification**1.1. Product identifier**

Product form : Mixture
Product name : OptiLake

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Pond care

1.3. Details of the supplier of the safety data sheet**Manufacturer/Supplier**

Oase
125 Lena Dr. Aurora
Ohio 44202 - US
www.atlantic-oase.com
info@atlantic-oase.com

Safety Data Sheet: DLAC Dienstleistungsagentur Chemie GmbH, E-mail: sds@dlac-gmbh.de

1.4. Emergency telephone number

24-hour emergency contact number : ChemTrec, 2900 Fairview Park Dr., Falls Church, VA 22042; 800-262-8200

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS-US classification in accordance with paragraph (d) of § 1910.1200**

Eye damage/irritation, Category 2B H319

Full text of H-phrases: see section 16

2.2. Label elements**GHS-US labelling in accordance with paragraph (f) of § 1910.1200**

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : H319 - Causes serious eye irritation.
Precautionary statements (GHS-US) : P264 - Wash hands 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.
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US Classification in accordance with paragraph (d) of § 1910.1200
Calcium chloride	(CAS-No.) 10043-52-4	40 - 60	Eye Irrit. 2, H319

Trade secret claim in accordance with paragraph (i) of § 1910.1200: The exact percentage (concentration) of composition has been withheld as a trade secret.

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

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| First-aid measures general | : | Get medical advice/attention if you feel unwell. If possible show him this sheet. Failing this, show him the packaging or label. Never give anything by mouth to an unconscious person. Place the affected person in the recovery position. If breathing stops, give artificial respiration. |
| First-aid measures after inhalation | : | Move the affected person away from the contaminated area and into the fresh air. Make the affected person rest and keep at warm. |
| First-aid measures after skin contact | : | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | : | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention |
| First-aid measures after ingestion | : | Do NOT induce vomiting. Rinse mouth. Drink plenty of water as a precaution. |

4.2. Most important symptoms and effects, both acute and delayed

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| Symptoms/effects after eye contact | : | Causes serious eye irritation. |
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : | Dry chemical powder. Alcohol-resistant foam. Carbon dioxide (CO2). Water spray. |
| Unsuitable extinguishing media | : | None. |

5.2. Special hazards arising from the substance or mixture

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| Hazardous decomposition products in case of fire | : | Toxic fumes may be released. Carbon dioxide. Carbon monoxide. |
|--|---|---|

5.3. Advice for firefighters

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| Firefighting instructions | : | Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : | Do not enter fire area without proper protective equipment, including respiratory protection. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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| General measures | : | Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin and eyes. |
| Emergency procedures | : | Evacuate the danger area. |
| Protective equipment | : | Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection. For further information refer to heading 8: "Exposure controls/personal protection". |

6.2. Methods and materials for containment and cleaning up

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| Methods for cleaning up | : | Mechanically recover the product. Avoid dust formation. Shovel or sweep up and put in a closed container for disposal. |
| For containment | : | Keep in suitable, closed containers for disposal. |
| Other information | : | Dispose of in accordance with relevant local regulations. |

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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| Precautions for safe handling | : | Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wear personal protective equipment. |
| Hygiene measures | : | Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. When using do not eat, drink or smoke. |

7.2. Conditions for safe storage, including any incompatibilities

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| Technical measures | : | Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. |
| Storage conditions | : | Store in original container. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Protect from heat and direct sunlight. Protect from moisture. |
| Prohibitions on mixed storage | : | Keep away from food, drink and animal feedingstuffs. Do not store near acids. |

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Particulates Not Otherwise Regulated		
OSHA	Local name	Particulates Not Otherwise Regulated (PNOR)
OSHA	OSHA PEL (mg/m ³)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Cal/OSHA	Local name	Particulates Not Otherwise Regulated
Cal/OSHA	Cal/OSHA PEL (TWA) (ppm)	10 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation to minimize dust concentrations.

8.3. Individual protection measures, such as personal protective equipment

Hand protection : Wear suitable gloves. Butyl rubber, 0.35 mm. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection : Wear safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P2.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance : Solid, Powder, White

Odor : Odorless

Odor threshold : No data available

pH : 8.2

Melting point/freezing point : > 240 °C

Initial boiling point and boiling range : Not applicable

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper/lower flammability or explosive limits : No data available

Vapor pressure : No data available

Vapor density : No data available

Relative density : Not applicable

Solubility(ies) : Water: partly soluble

Partition coefficient: n-octanol/water : Not applicable

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity : Not applicable

9.2. Other information

Explosive properties : No explosive properties.

Oxidising properties : No oxidising properties.

Bulk density : 1.218 g/cm³

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reacts with strong acids and water.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

Water and humidity (hygroscopic).

10.5. Incompatible materials

Incompatible with acids.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: No adverse effects due to inhalation are expected.
Symptoms/injuries after ingestion	: No adverse effects due to ingestion are expected.
Symptoms/injuries after skin contact	: No adverse effects due to skin contact are expected.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

Calcium chloride (10043-52-4)	
LD50 oral rat	2301 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

SECTION 12: Ecological information**12.1. Ecotoxicity**

Ecology - general	: To our knowledge, the product does not present any particular risk, under normal conditions of use.
Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

Calcium chloride (10043-52-4)	
LC50 fish	4630 mg/l 96 h, Pimephales promelas
EC50 crustacea	2400 mg/l 48 h, Daphnia magna
EC50 algae	2900 mg/l 72 h, Raphidocelis subcapitata
NOEC fish	230 mg/l 25 d, Oncorhynchus mykiss
NOEC crustacea	481 mg/l 21 d, Daphnia magna

12.2. Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer	: No known effect on the ozone layer
Effect on global warming	: No known effects from this product.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste treatment methods	: Dispose of in accordance with relevant local regulations.
Regional legislation (waste)	: Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information**Department of Transportation (DOT)**

In accordance with DOT
Not regulated for transport

Overland transport in accordance with ADR

Not regulated for transport

OptiLake

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Transport by sea in accordance with IMDG

Not regulated for transport

Air transport in accordance with IATA

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All substances in this mixture are listed on the United States TSCA (Toxic Substances Control Act) inventory

Active Status: Active

15.2. International regulations

Canada

All substances in this mixture are listed on Canadian DSL (Domestic Substances List)

EU-Regulations

All substances in this mixture are listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.3. US State regulations

California Proposition 65

This product does not contain any substance(s) known to the state of California to cause cancer, developmental toxicity and/or reproductive toxicity.

SECTION 16: Other information, including date of preparation or last revision

Date of Preparation : 04/05/2024

Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
EC50	The effective concentration of substance that causes 50% of the maximum response (Median Effective Concentration)
IATA	International Air Transport Association
IMDG	"International Maritime Dangerous Goods Code" for the transport of dangerous goods by sea
LC50	Lethal Concentration to 50 % of a test population (Median Lethal Concentration)
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
NOEC/L	No Observed Effect Concentration/Level
OECD	Organisation for Economic Cooperation and Development
SDS	Safety Data Sheet

Full text of H-phrases:

Eye Irrit. 2	Eye Damage/Irritation, Category 2B
H319	Causes serious eye irritation.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.