Safety Data Sheet
Calcis Liquid Pond Lime

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Calcis Liquid Pond Lime

1.2 Recommended Use pH and water hardness adjuster

1.3 Supplier's details

Name	BioSafe Systems
Address	22 Meadow Street East Hartford CT 06108 USA
Telephone	1.888.273.3088

1.4 Emergency phone number CHEMTREC: 1-800-424-9300

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Sensitization - skin, Cat. 1A
- Carcinogenicity, Cat. 1A
- Specific target organ toxicity, repeated exposure, Cat. 1

2.2 GHS label elements, including precautionary statements

Pictograms

Signal word **Danger**

Hazard statement(s)

H317	May cause an allergic skin reaction
H350	May cause cancer via inhalation.
H372	Causes damage to organs (lungs) through prolonged or repeated exposure.

Precautionary statement(s)

P101	If medical advice is needed, have label at hand.
P102	Keep out of reach of children
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Causes damage to organs (lungs) through prolonged or repeated exposure.
P261	Avoid breathing fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
P321	Specific treatment see first aid section on this label.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P405	Store locked up.
P501	Dispose of contents according to local, state and/or federal regulations.

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Component	Concentration
Limestone (CAS no.: 1317-65-3)	**70 - 95 % (weight)**
Silica, crystalline (CAS no.: 14808-60-7)	**1 - 5 % (weight)**

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician if you feel unwell. Show this safety data sheet to the doctor in attendance.
If inhaled	Move person to fresh air. Call a poison center or doctor if you feel unwell.
In case of skin contact	Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention/advice.
If swallowed	Call a poison center or doctor if you feel unwell. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

No additional information available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water or water spray.

5.2 Specific hazards arising from the chemical

Limestone: Carbon oxides, Calcium oxide

5.3 Special protective actions for fire-fighters
Do not attempt to take action without suitable protective equipment. Avoid any skin contact. Effects of contact or inhalation may be delayed. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection if necessary. Avoid breathing mist or spray. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains and avoid released to the environment.

6.3 Methods and materials for containment and cleaning up
Take up liquid spill into absorbent material and dispose according to local, state and/or federal regulations.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation of the workstation. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. This product should be used within 12 months of the date of manufacture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

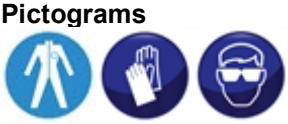
CAS: 1317-65-3 Limestone
Cal/OSHA (US): 5 mg/m3 PEL inhalation [Calcium Carbonate -Respirable fraction]; 5 mg/m3 PEL inhalation [Limestone -Respirable fraction]; NIOSH (US): 10 mg/m3 REL inhalation [Limestone -Total dust]; 5 mg/m3 REL inhalation [Limestone -Respirable fraction]; US/OSHA (US): 15 mg/m3 PEL inhalation [Limestone -Total dust]; 5 mg/m3 PEL inhalation [Limestone -Respirable fraction]

CAS: 14808-60-7 Silica, crystalline:
Cal/OSHA (US): 0.05 mg/m3, (See Sections 1532.3 & 5204) PEL inhalation [Quartz: see 1910.1053(m)]; NIOSH (US): Ca, 0.05 mg/m3, See Appendix A REL inhalation [Quartz: see 1910.1053(m)]

8.2 Appropriate engineering controls
Use ventilation adequate to keep exposures below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection
Safety glasses.

Skin protection
Wear protective gloves.

Body protection
Wear protective clothing.

Respiratory protection
In case of inadequate ventilation, wear respiratory protection.

SECTION 9: Physical and chemical properties

Physical state	Liquid
Appearance	White liquid suspension
Color	White
Odor	Slightly chalky
Melting point/freezing point	0°C (32°F)
Boiling point or initial boiling point and boiling range	100°C (212°F
Flammability	Non-flammable.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	> 400 °C
pH	10-11
Kinematic viscosity	No data available.
Solubility	Water: 0.014 - 0.018 g/l
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	0.20 mm Hg.
Evaporation rate	No data available.
Density and/or relative density	14.1 lbs/gal
Relative vapor density	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability
Stable under normal storage conditions.

10.3 Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid
No decomposition if stored and applied as directed.

10.5 Incompatible materials
Limestone: Strong oxidizing agents Silica, crystalline: Hydrogen fluoride

10.6 Hazardous decomposition products
No data available.

SECTION 11: Toxicological information

Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact, inhalation.

Skin corrosion/irritation
May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation
May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization
May cause respiratory tract irritation.

Germ cell mutagenicity
Silica, crystalline
Result: IARC: 1 - Group 1: Carcinogenic to humans (Quartz) NTP: Known to be human carcinogen (Quartz)

Carcinogenicity
May cause cancer (inhalation)

Reproductive toxicity
No data available.

Specific target organ toxicity (STOT) - single exposure
No data available.

Specific target organ toxicity (STOT) - repeated exposure
May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard
No data available.

SECTION 12: Ecological information

Toxicity
LC50 (Oncorhynchus mykiss (rainbow trout)): >10000mg/L 96 h; EC50 (Daphnia magna (Water flea)): > 1000mg/L 48h; EC50 (Desmodesmus subspicatus (green algae)): >200mg/L 72 h

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

SECTION 13: Disposal considerations

Product disposal
Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Packaging disposal
Dispose of as unused product. Do not reuse containers.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components
WARNING: This product can expose you to Silica (crystalline, respirable), which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SARA 311/312 Hazards
Acute Health Hazard

US EPA TSCA public inventory
Chemical name: Limestone
CAS number: 1317-65-3
Chemical name: Silica, crystalline
CAS number: 14808-60-7

SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall BioSafe Systems be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if BioSafe Systems has been advised of the possibility of such damages.