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| Form #:          | SDS-038    |
| Revision Date:   | 08/28/2018 |
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| Section 1: Identification |  |  |                             |  |
|---------------------------|--|--|-----------------------------|--|
| <b>Product Name:</b>      | Calcis <sup>®</sup> Liquid Lime  | <b>Product Type / Description:</b>                 | Liquid Lime Pond Supplement |  |
| <b>Recommended Use:</b>   | pH and Water Hardness Adjuster   | <b>Other Means of Identification:</b>              | Liquid Calcium Carbonate    |  |
| <b>Use Restrictions:</b>  | It is a violation of federal law to use this product in a manner inconsistent with its labeling. |  |                             |  |
| <b>Manufacturer:</b>      | <b>BioSafe Systems, LLC</b><br>22 Meadow Street   East Hartford, CT 06108                        | <b>EPA Registration #:</b>                         | N/A                         | <b>Canada PMRA Registration #:</b> N/A |
| <b>Telephone Number:</b>  | 1-888-273-3088   | <b>Emergency Number: 1-800-424-9300 (CHEMTREC)</b> |                             |  |

| Section 2: Hazard Identification   |   |
|--|---|
| <b>GHS Classification</b>  | <b>Hazard Statements</b>  |
| Carcinogenicity: Category 1A   | H350: May cause cancer.   |
| <b>Pictograms</b>  | <b>Signal Word</b>  |
|   | <b>DANGER</b>   |
| Precautionary Statements   |   |
| <b>General</b>   | <b>Response</b>   |
| P101: If medical advice is needed, have product container or label at hand.<br>P102: Keep out of reach of children.<br>P103: Read label before use.                                      | P308 + P313: IF exposed or concerned: Get medical advice / attention.   |
| <b>Prevention</b>  | <b>Storage / Disposal</b>   |
| P201: Obtain special instructions before use.<br>P202: Do not handle until all safety precautions have been read and understood.<br>P281: Use personal protective equipment as required. | P405: Store locked up.<br><br>P501: Dispose of contents/container in accordance with local/regional/national/international regulations. |

| Section 3: Composition / Information on Ingredients |               |                            |
|---|---------------|----------------------------|
| <b>Components</b>                                   | <b>CAS-No</b> | <b>% Composition (w/w)</b> |
| Limestone   | 1317-65-3     | 70.0 – 90.0%               |
| Quartz (SiO <sub>2</sub> )                          | 14808-60-7    | <2.0%                      |

| Section 4: First-Aid Measures |   |
|-------------------------------|---|
| <b>Eye Contact:</b>           | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.                                |
| <b>Skin Contact:</b>          | Remove/take off contaminated clothing. Rinse skin with water/shower.  |
| <b>Ingestion:</b>             | Rinse mouth with water. Never give anything by mouth to an unconscious person.  |
| <b>Inhalation:</b>            | Remove victim to fresh air in case of accidental inhalation or dust or fumes from overheating or combustion. If symptoms persist, call a physician. |
| <b>Notes to Physician:</b>    | IARC: Group 1: Carcinogenic to humans<br>NTP: Crystalline silica (respirable size) as a known human carcinogen.                                     |

| Section 5: Fire-Fighting Measures             |  |
|---|--|
| <b>Suitable Extinguishing Media:</b>          | Water spray, dry chemical, alcohol foam, or carbon dioxide.  |
| <b>Unsuitable Extinguishing Media:</b>        | None.  |
| <b>Combustion Products:</b>                   | None.  |
| <b>Unusual Fire and Explosion Hazards:</b>    | None.  |
| <b>Protective Equipment for Firefighters:</b> | In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. |

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### Section 6: Accidental Release Measures

|   |  |
|---|--|
| <b>Personal Precautions:</b>                              | Wear Personal Protective Equipment during handling, evacuate unnecessary personnel from area.  |
| <b>Emergency Procedures:</b>                              | Users should remove clothing and PPE as soon as possible after contamination. Wash skin thoroughly.  |
| <b>Environmental Precautions:</b>                         | No special environmental precautions required.   |
| <b>Methods and Material for Containment and Clean-Up:</b> | Wipe up with absorbent materials and keep in suitable, closed containers. Dispose of contents and container in accordance with local and national regulations. |

### Section 7: Handling and Storage

|                                |  |
|--------------------------------|--|
| <b>Handling:</b>               | Personal Protective Equipment is recommended for handling to limit contact with substance. |
| <b>Storage:</b>                | Keep container tightly closed in a dry and well-ventilated place.                          |
| <b>Incompatible Materials:</b> | Acids.   |

### Section 8: Exposure Controls / Personal Protection

#### Components with Workplace Control Parameters

| Component                             | ACGIH   | NIOSH   | OSHA  |
|---------------------------------------|---|---|---|
| Limestone                             | Not applicable.   | TWA: 10 mg/m <sup>3</sup> – 8 hour<br>STEL: 5 mg/m <sup>3</sup> | TWA: 10 mg/m <sup>3</sup> – 8 hour<br>STEL: 5 mg/m <sup>3</sup> |
| Quartz (SiO <sub>2</sub> )            | TLV: 25 µg/m <sup>3</sup>   | TWA: 50 µg/m <sup>3</sup> – 8 hour                              | TWA: 50 µg/m <sup>3</sup> – 8 hour                              |
| <b>Engineering Controls:</b>          | Eye wash station and emergency shower in the vicinity of usage.                                   |   |   |
| <b>General Hygienic Practices:</b>    | Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. |   |   |
| <b>Personal Protective Equipment:</b> | Protective clothing, safety glasses, gloves.  |   |   |
| <b>Respiratory Protection:</b>        | None needed in normal usage (liquid suspension).  |   |   |
| <b>Eye / Face Protection:</b>         | Safety glasses / goggles.   |   |   |
| <b>Hands:</b>                         | Latex or nitrile gloves.  |   |   |
| <b>Skin / Body:</b>                   | Wear suitable protective clothing.  |   |   |

### Section 9: Physical and Chemical Properties

|                          |                             |   |                |                                   |                         |
|--------------------------|-----------------------------|---|----------------|-----------------------------------|-------------------------|
| <b>Appearance:</b>       | White liquid suspension.    | <b>Odor:</b>                                    | Slight chalky. | <b>Odor Threshold:</b>            | Not available.          |
| <b>pH:</b>               | Approx. 7                   | <b>Specific Gravity:</b>                        | Not available. | <b>Viscosity:</b>                 | Not available.          |
| <b>Melting Point:</b>    | Not available.              | <b>Freezing Point:</b>                          | 0°C (32°F)     | <b>Boiling Point:</b>             | 100°C (212°F)           |
| <b>Flash Point:</b>      | Not available.              | <b>Flammability:</b>                            | Non-flammable. | <b>Flammability Limits:</b>       | Not available.          |
| <b>Vapor Pressure:</b>   | 23.4 hPa (20°C)             | <b>Vapor Density:</b>                           | Not available. | <b>Solubility:</b>                | 0.014 g/L in water 20°C |
| <b>Evaporation Rate:</b> | Not available.              | <b>Auto-Ignition Temperature:</b>               | Not available. | <b>Decomposition Temperature:</b> | >400°C                  |
| <b>Relative Density:</b> | 1.8 - 2.1 g/cm <sup>3</sup> | <b>Partition Coefficient n-octanol / water:</b> | Not available. |                                   |                         |

### Section 10: Stability and Reactivity

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under ordinary conditions of use and storage.   |
| <b>Conditions to Avoid:</b>              | No decomposition if stored and applied as directed.  |
| <b>Incompatible Materials:</b>           | Reacts with acids, forming carbon dioxide (CO <sub>2</sub> ). This displaces the oxygen in the air in closed spaces. |
| <b>Hazardous Decomposition Products:</b> | Not applicable.  |

### Section 11: Toxicological Information

#### Acute Toxicological Data

|                                   |   |                     |                |                                  |                |  |
|-----------------------------------|---|---------------------|----------------|----------------------------------|----------------|--|
| <b>Oral LD50:</b>                 | > 5000mg/kg (rat)                       | <b>Dermal LD50:</b> | Not available. | <b>Inhalation LC50:</b>          | Not available. |  |
| <b>Likely Routes of Exposure:</b> | Inhalation, eye contact, skin contact.  |                     |                |                                  |                |  |
| <b>Symptoms and Effects</b>       |   |                     |                |                                  |                |  |
| <b>Condition</b>                  | <b>Acute Effects</b>                    |                     |                | <b>Chronic (Delayed) Effects</b> |                |  |
| <b>Eye Contact:</b>               | May cause mild irritation.              |                     |                | None.                            |                |  |
| <b>Skin Contact:</b>              | May cause mild irritation.              |                     |                | None.                            |                |  |
| <b>Inhalation:</b>                | May cause respiratory tract irritation. |                     |                | None.                            |                |  |
| <b>Ingestion:</b>                 | May be harmful if swallowed.            |                     |                | None.                            |                |  |


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| Section 12: Ecological Information    |  |
|---------------------------------------|--|
| <b>Ecotoxicity:</b>                   | LC50 ( <i>Oncorhynchus mykiss</i> (rainbow trout)): >10000mg/L 96 h; EC50 ( <i>Daphnia magna</i> (Water flea)): > 1000mg/L 48 h; EC50 ( <i>Desmodesmus subspicatus</i> (green algae)): >200mg/L 72 h |
| <b>Persistence and Degradability:</b> | Not available.   |
| <b>Bioaccumulation Potential:</b>     | Not available.   |
| <b>Mobility in Soil:</b>              | Not available.   |
| <b>Other Adverse Effects:</b>         | Not applicable.  |

| Section 13: Disposal Considerations            |  |
|--|--|
| <b>Waste from Residues and Unused Product:</b> | Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.                           |
| <b>Contaminated Container Disposal:</b>        | Do not reuse or refill this container. Triple rinse empty containers with clean water. Clean and empty containers are to be recycled or placed in the trash. |

| Section 14: Transport Information |                         |                           |                    |               |                  |
|-----------------------------------|-------------------------|---------------------------|--------------------|---------------|------------------|
| UN Number                         | UN Proper Shipping Name | Hazard Class (Subsidiary) | Label (Subsidiary) | Packing Group | Marine Pollutant |
| Not Regulated                     |                         |                           |                    |               |                  |

| Section 15: Regulatory Information |  |  |                        |                       |                         |                 |  |
|------------------------------------|--|--|------------------------|-----------------------|-------------------------|-----------------|--|
| <b>TSCA Inventory List:</b>        | No   | <b>US EPA CERCLA Hazardous Substances:</b> |                        |                       | Not applicable.         |                 |  |
| <b>SARA Title III Sec. 302/303</b> | Not applicable.  |  |                        | <b>Sec. 302 TPQ:</b>  |                         | Not applicable. |  |
| <b>SARA Title III Sec. 311/312</b> | Quartz (SiO <sub>2</sub> )   | <b>Hazard Category:</b>                    | Acute, Chronic Health. |                       | <b>Sec. 304 EHS RQ:</b> | Not applicable. |  |
| <b>US EPA EPCRA Sec. 313</b>       | Not applicable.  |  |                        | <b>Threshold Qty:</b> |                         | Not applicable. |  |
| <b>NFPA Rating</b>                 | <b>Health:</b> 0   | <b>Flammability:</b> 0                     | <b>Reactivity:</b> 0   | <b>Special:</b>       | Not applicable.         |                 |  |
| <b>HMIS Rating</b>                 | <b>Health:</b> 1   | <b>Flammability:</b> 0                     | <b>Physical:</b> 0     | <b>PPE:</b>           | Recommended.            |                 |  |
| <b>CAN WHMIS Classification</b>    | <b>D2A – Materials Causing Other Toxic Effects (Very Toxic)</b>  |  |                        |                       |                         |                 |  |
| <b>California Prop 65</b>          | 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> . |  |                        |                       |                         |                 |  |

| Section 16: Other Information  |
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| <p>According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations</p> <p>To the extent of our knowledge, the information herein is accurate as of the date of this document. However, neither BioSafe Systems nor any of its affiliates make any warranty, expressed or implied, or accept any liability relating to the information or its use. The information is for use by technically skilled persons at their own discretion and risk. This is not a license or a patent. The user alone must finally determine suitability of any information or material for any contemplated use, the manner or use and whether any patents are infringed. Always read and follow label directions.</p> <p style="text-align: center;"></p> <p>For additional information, call us toll-free at 1.888.273.3088 or visit <a href="http://www.biosafesystems.com">www.biosafesystems.com</a></p> <p>© 2018 BioSafe Systems, LLC.<br/>Revision Date: 08/28/2018<br/>Current Revision Number: 02</p> |

### Key to Abbreviations

|  |  |
|--|--|
| ACGIH - American Conference of Governmental Industrial Hygiene                 | TWA - Time-Weighted Averages are based on 8h/day, 40h/week exposures |
| NIOSH - National Institute of Occupational Safety and Health                   | STEL - Short Term Exposure Limits are based on 15-minute exposures   |
| OSHA - Occupational Safety and Health Administration                           | STEV - Short Term Exposure Value                                     |
| EHS - Environmental Health and Safety  | PEL - Permissible Exposure Limit                                     |
| DOT - Department of Transportation   | CAN TDG - Canadian Transportation of Dangerous Goods                 |
| EPA - Environmental Protection Agency  | TSCA - Toxic Substances Control Act                                  |
| TPQ - Threshold Planning Quantity  | RQ - Reportable Quantity   |
| CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act | SARA - Superfund Amendments and Reauthorization Act                  |
| NFPA - National Fire Protection Association                                    | HMIS - Hazardous Materials Identification System                     |
| WHMIS - Workplace Hazardous Materials Information System (Canada)              | EPCRA - Emergency Planning and Community Right-to-Know Act           |