



# SAFETY DATA SHEET

Version 1.01

## 1. Identification of the Substance / Preparation and of the Company / Undertaking

**Product Name** SB CAL-10  
**Product Code** 57265  
**Recommended Use** Agricultural Applications or Further Manufacturing Use  
**Restrictions on Use** None known

**Manufacturer**

SoilBiotics, 2902 W State Route 17, Kankakee, IL, 60901, 815-929-1752

**Emergency Telephone:**

INFOTRAC (US): 1-800-535-5053

## 2. Hazards Identification

### GHS - Classification

Serious eye damage/eye irritation Category 2

### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements



**Signal Word:**

**Warning**

**Hazard Statements:**

- Causes serious eye irritation

**Precautionary Statements:**

- Wash face, hands and any exposed skin thoroughly after handling
- Wear eye/ face protection
- 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

### Other Information

Not applicable

## 3. Composition / Information on Ingredients

| Chemical name  | CAS No.      | Weight-% |
|----------------|--------------|----------|
| Trade Secret 1 | Trade secret | 26-28    |
| Trade Secret 2 | Trade secret | <2       |
| Trade Secret 3 | Trade secret | 8-10     |
| Trade Secret 4 | Trade secret | 6-8      |
| Trade Secret 5 | Trade secret | Balance  |

Any concentration shown as a range is due to batch variation or the exact percentage has been withheld as a trade secret.

#### 4. First Aid Measures

##### Description of first aid measures

|  |   |
|--|---|
| <b>General advice</b>  | Show this safety data sheet to the doctor in attendance.  |
| <b>Inhalation</b>  | Remove to fresh air.  |
| <b>Eye contact</b>   | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists. |
| <b>Skin contact</b>  | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.  |
| <b>Ingestion</b>   | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.   |
| <b>Self-protection of the first aider</b>  | Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).   |
| <b><u>Most important symptoms and effects, both acute and delayed</u></b>                |   |
| <b>Symptoms</b>  | May cause redness and tearing of the eyes.  |
| <b><u>Indication of any immediate medical attention and special treatment needed</u></b> |   |
| <b>Note to physicians</b>  | Treat symptomatically.  |

#### 5. Fire-fighting Measures

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                            |
| <b>Large Fire</b>                                     | CAUTION: Use of water spray when fighting fire may be inefficient.   |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>     | No information available.  |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to mechanical impact</b>               | None.  |
| <b>Sensitivity to static discharge</b>                | None.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |

#### 6. Accidental Release Measures

##### Personal precautions, protective equipment and emergency procedures

|  |   |
|--|---|
| <b>Personal precautions</b>  | Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.   |
| <b>Other information</b>   | Refer to protective measures listed in Sections 7 and 8.  |
| <b><u>Methods and material for containment and cleaning up</u></b> |   |
| <b>Methods for containment</b>                                     | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for cleaning up</b>                                     | Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. After cleaning, flush away traces with water. |

#### 7. Handling and Storage

##### Precautions for safe handling

|  |   |
|--|---|
| <b>Advice on safe handling</b>   | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. |
| <b><u>Conditions for safe storage, including any incompatibilities</u></b> |   |

|                               |   |
|-------------------------------|---|
| <b>Storage Conditions</b>     | Keep containers tightly closed in a dry, cool and well-ventilated place. Should be stored in container for which it was purchased and may only be transferred to a new non-metal container.   |
| <b>Incompatible materials</b> | Strong acids. Strong oxidizing agents. Zinc. Calcium oxides. Bromine Trifluoride. Methyl vinyl ether. Borane/Boron oxides. Fertilizers containing P2O5 Phosphorous, Phosphoric Acid, Phosphate and Glyphosphate formulations such as 2-4-D/Ester/Amine. |

## 8. Exposure Controls / Personal Protection

### Control parameters

#### Exposure Limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

### Appropriate engineering controls

#### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Tight sealing safety goggles.

#### Hand protection

Wear suitable gloves.

#### Skin and body protection

Wear suitable protective clothing.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### General hygiene considerations

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

## 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

#### Physical State:

Liquid

#### Appearance:

No information available

#### Color:

Yellow-orange

#### Odor:

No information available

#### Odor Threshold:

No information available

### Property

### Values

### Remarks • Method

#### pH:

7

#### Salt Out Point:

No information available

#### Melting Point/Freezing Point:

No information available

#### Boiling Point/Boiling Range:

No information available

#### Flash Point:

No information available

#### Evaporation Rate (BuAc=1):

No information available

#### Flammability (solid, gas)

No information available

#### Flammability Limits in Air:

No information available

#### Upper Flammability Limit:

**Lower Flammability  
Limit:**

#### Vapor Pressure (mm Hg):

No information available

#### Vapor density (Air =1)

No information available

#### Specific Gravity (H<sub>2</sub>O=1):

1.332

#### Specific Gravity (2nd value):

#### Water Solubility:

No information available

#### Solubility(ies):

No information available

#### Partition Coefficient

No information available

#### (n-octanol/water)

#### Autoignition Temperature:

No information available

#### Decomposition Temperature:

No information available

#### Kinematic Viscosity:

No information available

#### Dynamic Viscosity:

No information available

#### Oxidizing Properties:

No information available

#### Explosive Properties:

No information available

### 9.2. Other information

#### Softening Point:

No information available

#### Molecular Weight:

N/A

#### VOC Content(%):

No information available

#### Liquid Density

No information available

**Bulk density** No information available

## 10. Stability and Reactivity

**Reactivity** No information available.  
**Chemical stability** Stable under normal conditions.  
**Possibility of hazardous reactions** None under normal processing.  
**Conditions to avoid** Protect from moisture.  
**Incompatible materials** Strong acids. Strong oxidizing agents. Zinc. Calcium oxides. Bromine Trifluoride. Methyl vinyl ether. Borane/Boron oxides. Fertilizers containing P<sub>2</sub>O<sub>5</sub> Phosphorous, Phosphoric Acid, Phosphate and Glyphosphate formulations such as 2-4-D/Ester/Amine.  
**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological Information

### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.  
**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components). May cause redness, itching, and pain.  
**Skin contact** Specific test data for the substance or mixture is not available. Prolonged contact may cause redness and irritation.  
**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** May cause redness and tearing of the eyes.

### Numerical measures of toxicity

No information available

#### Acute Toxicity:

The following values are calculated based on chapter 3.1 of the GHS document .

**ATEmix (oral)** 3,447.90 mg/kg  
**ATEmix (dermal)** 14,300.00 mg/kg

**Unknown Acute toxicity** 48 % of the mixture consists of ingredient(s) of unknown toxicity

8 % of the mixture consists of ingredient(s) of unknown acute oral toxicity  
 20 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)  
 48 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

#### Component Information

| Chemical name  | Oral LD <sub>50</sub> : | Dermal LD <sub>50</sub> : | LC <sub>50</sub> (Lethal Concentration): |
|----------------|-------------------------|---------------------------|--|
| Trade Secret 1 | = 1000 mg/kg ( Rat )    | > 5000 mg/kg ( Rabbit )   | -  |
| Trade Secret 2 | = 3250 mg/kg ( Rat )    | -                         | -  |
| Trade Secret 3 | = 25800 mg/kg ( Rat )   | -                         | -  |
| Trade Secret 5 | > 90 mL/kg ( Rat )      | -                         | -  |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Irritating to eyes.

**Respiratory or skin sensitization** No information available.

|                                 |  |
|---------------------------------|--|
| <b>Germ cell mutagenicity</b>   | No information available.  |
| <b>Carcinogenicity</b>          | This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP. |
| <b>Reproductive toxicity</b>    | No information available.  |
| <b>STOT - single exposure</b>   | No information available.  |
| <b>STOT - repeated exposure</b> | No information available.  |
| <b>Other Adverse Effects:</b>   | No information available.  |
| <b>Aspiration hazard</b>        | No information available.  |

## 12. Ecological Information

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

| Chemical name  | Toxicity to algae | Toxicity to fish  | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|----------------|-------------------|---|----------------------------|---|
| Trade Secret 1 | -                 | 10650 mg/L (LC50 96 h static - Lepomis macrochirus)     | -                          | 2280000 - 3948000 µg/L (LC50 48 h - Daphnia magna)  |
| Trade Secret 2 | -                 | 6800 mg/L (LC50 96 h semi-static - Oncorhynchus mykiss) | -                          | -   |

|                                       |                                    |
|---------------------------------------|------------------------------------|
| <b>Persistence and Degradability:</b> | No information available.          |
| <b>Bioaccumulation:</b>               | There is no data for this product. |
| <b>Other Adverse Effects:</b>         | No information available.          |

## 13. Disposal Considerations

### Waste treatment methods

|  |  |
|--|--|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local, state, and national regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.   |

## 14. Transport Information

|                    |                   |
|--------------------|-------------------|
| <b>DOT</b>         |                   |
| <b>Description</b> | Not DOT Regulated |

## 15. Regulatory Information

### International Inventories

|                      |          |
|----------------------|----------|
| <b>AICS</b>          | Complies |
| <b>TSCA</b>          | -        |
| <b>DSL/NDSL</b>      | Complies |
| <b>EINECS/ELINCS</b> | -        |

**ENCS** -  
**IECSC** -  
**KECL** -  
**PICCS** -

| Chemical name  | AICS    | TSCA              | DSL     | NDSL | EINECS  | ELINCS | ENCS    | IECSC   | KECL    | PICCS   |
|----------------|---------|-------------------|---------|------|---------|--------|---------|---------|---------|---------|
| Trade Secret 1 | Present | Present<br>ACTIVE | Present | -    | Present | -      | Present | Present | Present | Present |
| Trade Secret 2 | Present | Present<br>ACTIVE | Present | -    | Present | -      | Present | Present | Present | Present |
| Trade Secret 3 | Present | Present<br>ACTIVE | Present | -    | Present | -      | Present | Present | Present | Present |
| Trade Secret 4 | Present | -                 | Present | -    | -       | -      | -       | -       | -       | -       |
| Trade Secret 5 | Present | Present<br>ACTIVE | Present | -    | Present | -      | Present | Present | Present | Present |

**Inventory Legend****AICS** - Australian Inventory of Chemical Substances**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**IECSC** - China Inventory of Existing Chemical Substances**KECL** - Korean Existing and Evaluated Chemical Substances**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**RESTRICTIONS - REACH TITLE VII** No information available**US Federal Regulations****CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

|  |     |
|--|-----|
| <b>Acute health hazard</b>               | Yes |
| <b>Chronic health hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive hazard</b>                   | No  |

**16. Other Information**

**Prepared By:** HSE Department  
**Issue Date:** 24-Apr-2020  
**Revision Date:** 28-Dec-2020  
**Revision Note:** SDS sections updated 1 7

**Disclaimer:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**