

# SAFETY DATA SHEET

## 1. Identification

Product Identifier Buncha Bugs  
 Other means of identification  
 SDS number CA-201518  
 Recommended use and restriction on use  
 Recommended use Soil additive; micronutrient. Not for animal or human consumption.  
 Recommended restrictions None known.

### Manufacturer/Importer/Supplier/Distributor Information

#### Manufacturer

Company Name: Concept AG LLC  
 Address: 1300 Plant Rd  
 Charleston, MO 63834  
 Telephone: 573-233-8306  
 SDS Information: info@conceptag.com

#### Emergency Telephone Number

Concept AG LLC 1-888-638-9388  
 PERS 24 Hour Emergency Response Information  
 Domestic: 1-800-633-8253  
 International: 1-801-629-0667

## 2. Hazard(s) Identification

### Hazard Classification

Physical Hazard(s) Not classified

Health Hazard(s)  
 Skin corrosion/irritation Category 4  
 Serious eye damage/eye irritation Category 2A

Environmental Hazard(s) None known.

OSHA hazard(s) Not Classified

### Label Elements



Hazard Symbol

### Signal Word(s)

Warning. Health Hazard.

### Hazard Statement

H302 – Harmful if swallowed  
 H319 - Causes serious eye irritation.

### Precautionary Statement

Wear protective gloves and clothing. Do not inhale mists/vapors. Seek medical attention.  
 Wash thoroughly after handling. If swallowed, seek medical attention. Remove

contaminated articles and wash prior to reuse. If on skin or eyes; rinse area thoroughly. Seek medical attention.

**Prevention**

Wear protective equipment which includes protection on skin/clothing/eyes/face. Do not breathe dust/fume. Avoid release to the environment.

**Response**

If in eyes: Wash eyes with water for at least 30 minutes. If irritation persists, get medical attention. If skin irritation occurs: Wash affected area with soap and water for approximately 30 minutes. If inhaled: Remove exposed person to fresh air. If ingested: Do not induce vomiting. Get immediate medical attention.

**Storage**

Store in a cool, dry, well-ventilated area away from other chemicals/incompatible materials.

**Disposal**

Dispose of in accordance with appropriate Federal, State, and Local regulations and/or ordinances.

**Hazard(s) not otherwise classified**

Not known.

**3. Composition/information on ingredients**

**Mixtures**

Chemical Name	CAS#	%
Liquid mixture of Microbial Strains	Not applicable	4.55%
Ferment Residue	Not applicable	0.35%
Water	7732-18-5	95.1%

**4. First-aid measure(s)**

**Ingestion** Rinse mouth. Seek medical attention. Do not induce vomiting unless directed otherwise by a medical professional.

**Inhalation** If symptomatic, move to a well ventilated area; Seek medical attention if symptoms persist.

**Skin Contact** Immediately flush affected area with mild soap and water. Remove any contaminated articles. If irritation persists, seek medical attention.

**Eye Contact** Flush eyes with a steady stream of clean water for 15-20 minutes. If irritation persists, seek medical attention.

**Most important symptoms/effects, acute and delayed**

**Symptoms** Can cause eye and skin irritation.

**Indication of immediate medical attention and special treatment needed**

**Symptoms** Symptoms may be delayed. Seek medical attention if irritation occurs.

**5. Fire-fighting measures**

**Suitable extinguishing methods** Not considered to be a fire hazard. Use extinguishing media applicable to the surrounding fire.

**Unsuitable extinguishing methods** Not known.

**Specific hazards arising from the chemical** This material is non-combustible. If heated, corrosive and toxic vapors/gasses/mists may be formed; including ammonia and sulfur oxides.

**Special protective equipment and precautions for firefighters**

Do not enter fire area without proper protective equipment, including full protective clothing and self-contained respiratory protection.

**Firefighting equipment instructions**

Not known. Seek additional information from qualified fire professionals.

**Specific methods**

Recommended to use water spray of fog for cooling exposed containers. Exercise caution when fighting any fire. Prevent fire-fighting water from entering the environment.

**General fire hazard(s)**

None known.

<b>6. Accidental Release Measures</b>
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**Personal precautions, protective equipment and emergency procedures**

Wear appropriate Personal Protective Equipment (See section 8).

**Methods and materials for containment and cleaning up**

Contain material and place in suitable containers for disposal. If material enters a waterway, notify the appropriate authorities. Wear Personal Protective Equipment per section 8.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Avoid release to the environment.

<b>7. Handling and Storage</b>
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**Precautions for safe handling**

Do not get in eyes, on skin, or on clothing. Wear appropriate Personal Protective Equipment. Always observe good hygiene measures; such as washing skin and clothing after handling the material and prior to eating, drinking, or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Not intended for human or animal consumption.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry, well-ventilated area away from incompatible materials and direct sunlight (See section 10). Use appropriate containers to avoid environmental release. Keep away from children and animals.

<b>8. Exposure Controls/Personal Protection</b>
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**Occupational exposure limits**

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWA			
Ferment Residue	Not available	Not available	Not available			
Liquid mixture of microbial strains	Not available	Not available	Not available			
Water	Not available	Not available	Not available			
Chemical Name	European Union	China	Japan	Korea	Australia	Taiwan
Ferment Residue	Not available	Not available	Not available	Not available	Not available	Not available
Liquid mixture of microbial strains	Not available	Not available	Not available	Not available	Not available	Not available
Water	Not available	Not available	Not available	Not available	Not available	Not available

**Biological limit values**

Not available.

### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

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

#### Eye/face protection

Wear safety glasses with side shields (goggles). Additional equipment as deemed appropriate for the task.

#### Skin protection

##### Hand protection

Chemical resistant gloves are recommended.

##### Other

Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure limits or to an acceptable level for the risk of exposure. Contact chemical protective clothing manufacturer for specific information.

#### Respiratory protection

Where appropriate, NIOSH-approved respirator. If respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Air-purifying respirator with an appropriate, government approved, air purifying filter, cartridge, or canister.

#### Thermal hazards

None known.

### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

### Appearance

Physical state	Clear.
Form	Liquid.
Color	Tan to flesh colored.
Odor	Creamed corn.
Odor threshold	Not established.
PH	Not available.
Melting point/freezing point	Not established.
Initial boiling point and boiling point range	Not established.
Flash point	Not available.
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limit	
Explosive limit – lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not established.
Solubility (ies)	
Solubility (water)	Easily dispersible in water.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	

Explosive properties	Not explosive.
Oxidizing properties	Not available.
Particle size	Not available.

## 10. Stability and Reactivity

### Reactivity

This product is non-reactive under normal conditions of use, storage, and transport. Avoid incompatible materials.

### Chemical stability

Stable at normal conditions.

### Possibility of hazardous reactions

Hazardous polymerization does not occur.

### Conditions to avoid

Heat, humidity, and contact with incompatible materials.

### Incompatible materials

None known.

### Hazardous decomposition products

None known.

## 11. Toxicological Information

### Information on likely routes of exposure

Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Can cause skin irritation.
Eye contact	Can cause eye irritation.
Ingestion	May cause discomfort if swallowed.

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

Can cause serious eye and skin irritation.

### Information on toxicological effects

Acute toxicity Can cause serious eye and skin irritation.

Components	Species	Test Results	Type
Liquid Mixture of microbial strains	Not available.	Not available.	
Ferment Residue	Not available.	Not available.	
Water	Rat	90 mL/kg	Oral LD <sub>50</sub>
Skin corrosion/irritation		Can cause skin irritation.	
Serious eye damage/eye irritation		Can cause serious eye irritation/damage.	
Respiratory or skin sensitization			
Respiratory sensitization		Not a respiratory sensitizer.	
Skin sensitization		Not a skin sensitizer.	
Germ cell mutagenicity		Not established.	
Carcinogenicity		Not established.	
Reproductive toxicity		Not established.	
Specific target organ toxicity- single exposure		Not established.	
Specific target organ toxicity- repeated exposure		Not established.	
Respiration hazard		Not established.	

## 12. Ecological Information

Ecotoxicity Not available.

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic vertebrates
Ferment Residue	No data available	No data available	No data available
Liquid mixture of microbial strains	No data available	No data available	No data available
Water	No data available	No data available	No data available

**Persistence and degradability** Not available.  
**Bioaccumulative potential** Not available.  
**Mobility in soil** May disperse in soil.  
**Mobility in general** This product is water soluble and may disperse in soil.  
**Other adverse affects** Not available.

### 13. Disposal Considerations

#### Disposal instructions

Since emptied containers may retain product residue, follow label warnings even after container is emptied. The generation of waste should be avoided whenever possible. When practical, recycle in an environmental acceptable, regulatory compliant manner. Dispose of non-recyclable products in accordance with all applicable Federal, State, and local requirements.

#### Hazardous waste code

The waste code should be assigned in discussion between the user, producer, and the waste disposal company.

#### Waste from residue(s)/unused product(s)

Recover and recycle if practical. Dispose in accordance with all applicable regulations.

#### Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied.

### 14. Transportation Information

#### DOT

**UN Number** Not established.  
**UN proper shipping name** Not established.  
**Transport hazard class(es)**  
     **Class** Not established.  
     **Subsidiary risk** Not established.  
     **Label(s)** Not established.  
**Packing group** Not established.  
**Environmental hazard(s)** Not established.  
**Special precautions for user** None known.  
**Special provisions** Not established..  
**Packaging exceptions** None known.  
**Packaging non bulk** Not established.  
**Packaging bulk** Not established.

#### IATA

**UN Number** Not established.  
**UN proper shipping name** Not established.  
**Transport hazard class(es)**  
     **Class** Not established.  
     **Subsidiary risk** Not established.  
     **Label(s)** Not established.

Packing group Not established.  
 Environmental hazard(s) None known.  
 ERG Code Not established.  
 Special precautions for user None known.  
 IMDG  
 UN Number  
 UN proper shipping name Not established.  
 Transport hazard class(es)  
     Class Not established.  
     Subsidiary risk Not established.  
     Label(s) Not established.  
 Packing group Not established.  
 Environmental hazard(s) Not established.  
 EmS Not established.  
 Special precautions for user None known.  
 Transport in bulk according to Annex  
 II of MARPOL 73/78 and the IBC Code Not established.

### 15. Regulatory Information

#### US Federal regulations

This product is not a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA section 12(b) Export Notification (40 CFR 707, Subpt. D) All constituents.  
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) No requirements.  
 CERCLA Hazardous Substance List (40 CFR 302.4) No requirements.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### Hazard Categories

Immediate Hazard- Not established.  
 Delayed Hazard – Not established.  
 Fire Hazard – Not established.  
 Pressure Hazard – Not established.  
 Reactivity Hazard – Not established.

SARA 302 Extremely Hazardous Substance No requirements.

SARA 311/312 Hazardous chemical No requirements.

#### SARA 313 (TRI reporting)

Chemical Name	CAS Number	Threshold Value
Liquid mixture of Microbial Strains	Not applicable	No requirements
Ferment Residue	Not applicable	No requirements
Water	7732-18-5	No requirements

#### Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPS) List Not established.  
 Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130) Not established.  
 Safe Water Drinking Act (SDWA) Not established.

#### US State Regulations

US. California Proposition 65 Not found.  
 US. New Jersey Worker and Community Right-to-Know Act Not found.

Inventory Status

Chemical Name	AICS	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS
Water	Listed	Listed	Listed	-	Listed	-	-	Listed	KE-35400	Present
Liquid mixture of Microbial strains	-	-	-	-	-	-	-	-	-	-
Ferment Residue	-	-	-	-	-	-	-	-	-	-

Other Information, including Date of Preparation or Last Revision

Issue Date: 06/17/2015

Revision Date: 10/19/2016

Version #: 03

Prepared by: CE

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