

# Safety Data Sheet

Material Name: Cultured Solutions ® UC Roots

SDS ID: CC-005

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

### Material Name

Cultured Solutions ® UC Roots

### Product Use

Scale control

### Restrictions on Use

None known.

### Details of the supplier of the safety data sheet

Current Culture H2O™

4333 S. Minnewawa Ave- Suite 101

Fresno, CA 93725

Phone: 559-266-4769

Emergency Phone #: +1-559-266-4769 (Monday-Friday 8:00 a.m. to 5:00 p.m.)

Fax: 559-486-4769

## Section 2 - HAZARDS IDENTIFICATION

### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

None needed according to classification criteria.

### GHS Label Elements

#### Symbol(s)

None needed according to classification criteria.

#### Signal Word

None needed according to classification criteria

#### Hazard Statement(s)

None needed according to classification criteria.

#### Precautionary Statement(s)

#### Prevention

None needed according to classification criteria.

#### Response

None needed according to classification criteria.

#### Storage

None needed according to classification criteria.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
Trade Secret	Hypochlorous acid	<0.1
Trade Secret	Water	>99

The chemical identity and/or percentage of composition is being withheld as a trade secret.

## Section 4 - FIRST AID MEASURES

### Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

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## Skin

Wash skin thoroughly with soap and water. Remove contaminated clothing and wash it before reuse. Thoroughly clean and dry contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

## Eyes

Flush eyes with plenty of water. 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.

## Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

## Most Important Symptoms/Effects

### Acute

May cause eye irritation, skin irritation, and respiratory tract irritation.

### Delayed

No adverse effects expected.

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Water, carbon dioxide, dry chemical, fog, foam.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Containers may rupture or explode if exposed to heat. Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

### Hazardous Combustion Products

Oxides of carbon, chloride.

### Fire Fighting Measures

Use measures appropriate for surrounding fire. Remove product from area of fire. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products. Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Collect material in appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stop leak if possible without personal risk. Move containers away from spill to a safe area. Absorb with sand or other non-combustible material. Put material in suitable, covered, labeled containers. Wash contaminated areas with soap and water.

### Environmental Precautions

Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

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

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

Further information on storage conditions: Storage and handle in accordance with all current regulations and standards. Store containers in a cool, dry place. Store above freezing Conditions. Keep out of reach of children.

Keep separated from incompatible substances.

### Incompatible Materials

strong oxidizers

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear safety glasses with side shields.

#### Skin Protection

Wear protective clothing to prevent contact.

#### Respiratory Protection

Consult with a health and safety professional for specific respirators appropriate for your use.

#### Glove Recommendations

Wear appropriate chemical resistant gloves: nitrile, neoprene.

#### Protective Materials

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	transparent liquid	Physical State	liquid
Odor	Slight ,chlorine	Color	Not available
Odor Threshold	Not available	pH	5 - 6.5
Melting Point	Not available	Boiling Point	101 °C
Boiling Point Range	Not available	Freezing point	-1 °C
Evaporation Rate	Not available	Flammability (solid, gas)	Not available
Autoignition Temperature	Not available	Flash Point	Not available
Lower Explosive Limit	Not available	Decomposition temperature	Not available
Upper Explosive Limit	Not available	Vapor Pressure	Not available

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<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Kinematic viscosity</b>	Not available
<b>Solubility (Other)</b>	Not available	<b>Density</b>	Not available
<b>Physical Form</b>	aqueous , liquid	<b>Molecular Weight</b>	Not available

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal conditions of storage and handling.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Avoid contact with strong oxidizers, high temperature, combustible materials. Avoid evaporation to dryness.

### Incompatible Materials

strong oxidizers

### Hazardous decomposition products

oxides of carbon, chloride

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

May cause irritation.

#### Skin Contact

May cause irritation.

#### Eye Contact

May cause irritation, redness, pain.

#### Ingestion

Ingestion may cause gastrointestinal irritation.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

#### Water (Trade Secret)

Oral LD50 Rat >90 mL/kg

#### Product Toxicity Data

#### Acute Toxicity Estimate

Dermal	> 2000 mg/kg
Inhalation - Vapor	> 20 mg/L
Oral	> 2000 mg/kg

#### Immediate Effects

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May cause eye irritation, skin irritation, and respiratory tract irritation.

## **Delayed Effects**

No information on significant adverse effects.

## **Irritation/Corrosivity Data**

May cause eye irritation, skin irritation, respiratory tract irritation.

## **Respiratory Sensitization**

No information available for the product.

## **Dermal Sensitization**

No information available for the product.

## **Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

No information available for the product.

## **Germ Cell Mutagenicity**

No information available for the product.

## **Tumorigenic Data**

No information available for the product.

## **Reproductive Toxicity**

No information available for the product.

## **Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

## **Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified.

## **Aspiration hazard**

Not expected to be an aspiration hazard.

## **Medical Conditions Aggravated by Exposure**

No information available for the product.

## **Section 12 - ECOLOGICAL INFORMATION**

### **Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

### **Persistence and Degradability**

No information available for the product.

### **Bioaccumulative Potential**

No information available for the product.

### **Mobility**

No information available for the product.

### **Bioconcentration**

No information available for the product.

### **Other Toxicity**

No additional information available for the product.

## **Section 13 - DISPOSAL CONSIDERATIONS**

### **Disposal Methods**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

### **Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

## **Section 14 - TRANSPORT INFORMATION**

# Safety Data Sheet

**Material Name: Cultured Solutions ® UC Roots**

**SDS ID: CC-005**

**US DOT Information:**

UN/NA #: Not regulated

**TDG Information:**

UN#: Not regulated

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

**Section 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

No hazard categories applicable.

**U.S. State Regulations**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

**Not listed under California Proposition 65**

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**Component Analysis - Inventory**

**Hypochlorous acid (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	NSL	EIN	No	No	No	Yes	Yes	No	No	No	Yes	No	Yes	Yes

**Water (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes

**Further information**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**Section 16 - OTHER INFORMATION**

**NFPA Ratings**

# Safety Data Sheet

**Material Name: Cultured Solutions ® UC Roots**

**SDS ID: CC-005**

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## Summary of Changes

New SDS

## Preparation Date

December 7, 2017

## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

## Other Information

### Disclaimer:

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

# Safety Data Sheet

Material Name: Cultured Solutions ® Coco Cal

SDS ID: CC-001

## Section 1 - PRODUCT AND COMPANY IDENTIFICATION

### Material Name

Cultured Solutions ® Coco Cal

### Product Use

Agriculture / Horticulture - Calcium/Magnesium Solution

### Restrictions on Use

None known

### Details of the supplier of the safety data sheet

Current Culture H2O™

4333 S. Minnewawa Ave- Suite 101

Fresno, CA 93725

Phone: 559-266-4769

Emergency Phone #: +1-559-266-4769 (Monday-Friday 8:00 a.m. to 5:00 p.m.)

Fax: 559-486-4769

## Section 2 - HAZARDS IDENTIFICATION

### Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

None needed according to classification criteria.

### GHS Label Elements

#### Symbol(s)

None needed according to classification criteria.

#### Signal Word

None needed according to classification criteria

#### Hazard Statement(s)

None needed according to classification criteria.

#### Precautionary Statement(s)

#### Prevention

None needed according to classification criteria.

#### Response

None needed according to classification criteria.

#### Storage

None needed according to classification criteria.

#### Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
Trade Secret	Calcium ammonium nitrate	<5
Trade Secret	Calcium chloride	<5
Trade Secret	Magnesium nitrate, hexahydrate	<1
Trade Secret	EDTA, iron(III)	<0.5
Trade Secret	Water	>90



# Safety Data Sheet

Material Name: Cultured Solutions ® Coco Cal

SDS ID: CC-001

The chemical identity and/or percentage of composition is being withheld as a trade secret.

## Section 4 - FIRST AID MEASURES

### Inhalation

Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention.

### Skin

Wash skin thoroughly with soap and water. Remove contaminated clothing and wash it before reuse. Thoroughly clean and dry contaminated clothing and shoes before reuse. If skin irritation occurs: Get medical advice/attention.

### Eyes

Flush eyes with plenty of water. 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.

### Ingestion

Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

### Most Important Symptoms/Effects

#### Acute

May be harmful if swallowed.

#### Delayed

No adverse effects expected.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Water, carbon dioxide, dry chemical, fog, foam.

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

### Special Hazards Arising from the Chemical

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition.

### Hazardous Combustion Products

Oxides of carbon, oxides of iron, oxides of calcium, oxides of nitrogen, oxides of magnesium.

### Fire Fighting Measures

Use measures appropriate for surrounding fire. Remove product from area of fire. Cool containers with water spray until well after the fire is out. Avoid inhalation of material or combustion by-products. Prevent entry into sewers, drains, ditches, underground or confined spaces and waterways.

### Special Protective Equipment and Precautions for Firefighters

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

## Section 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Cleaning Up

Collect material in appropriate container for disposal. Keep unnecessary people away, isolate hazard area and deny entry. Stop leak if possible without personal risk. Move container from fire area if it can be done without risk.

Absorb with sand or other non-combustible material. Put material in suitable, covered, labeled containers. Wash contaminated areas with soap and water.

### Environmental Precautions

Prevent entry into waterways, sewers, basements, or confined areas.

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Material Name: Cultured Solutions ® Coco Cal

SDS ID: CC-001

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

### Conditions for Safe Storage, Including any Incompatibilities

None needed according to classification criteria.

Further information on storage conditions: Storage and handle in accordance with all current regulations and standards. Keep separated from incompatible substances. Store containers in a cool, dry place. Store above freezing Conditions. Keep out of reach of children.

### Incompatible Materials

combustible materials

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### Component Exposure Limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

### ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

There are no biological limit values for any of this product's components.

### Engineering Controls

Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present.

### Individual Protection Measures, such as Personal Protective Equipment

#### Eye/face protection

Wear safety glasses with side shields.

#### Skin Protection

Wear protective clothing to minimize skin contact.

#### Respiratory Protection

Consult with a health and safety professional for specific respirators appropriate for your use.

#### Glove Recommendations

Wear appropriate chemical resistant gloves.

#### Protective Materials

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Transparent brown liquid	<b>Physical State</b>	liquid
<b>Odor</b>	None	<b>Color</b>	Not available
<b>Odor Threshold</b>	Not available	<b>pH</b>	6.1
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	101 °C
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	-1 °C
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available

# Safety Data Sheet

Material Name: Cultured Solutions ® Coco Cal

SDS ID: CC-001

<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	Not available
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available	<b>Specific Gravity (water=1)</b>	1.1
<b>Water Solubility</b>	soluble	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Kinematic viscosity</b>	Not available
<b>Solubility (Other)</b>	Not available	<b>Density</b>	Not available
<b>Physical Form</b>	aqueous , liquid	<b>Molecular Weight</b>	Not available

## Section 10 - STABILITY AND REACTIVITY

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal conditions of storage and handling. Unstable at elevated temperatures.

### Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### Conditions to Avoid

Do not allow product to evaporate to dryness. Avoid contact with combustible materials, high temperature.

### Incompatible Materials

combustible materials

### Hazardous decomposition products

Oxides of carbon, oxides of iron, oxides of calcium, oxides of nitrogen, oxides of magnesium.

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

No data available.

#### Skin Contact

No data available.

#### Eye Contact

No data available.

#### Ingestion

Ingestion may cause gastrointestinal irritation.

#### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

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The components of this material have been reviewed in various sources and the following selected endpoints are published:

**Calcium ammonium nitrate (Trade Secret)**

Oral LD50 Rat 300 - 2000 mg/kg (in water )

Dermal LD50 Rat >2000 mg/kg (in corn oil ;no deaths occurred )

**Magnesium nitrate, hexahydrate (Trade Secret)**

Oral LD50 Rat 5440 mg/kg

**Water (Trade Secret)**

Oral LD50 Rat >90 mL/kg

**Product Toxicity Data**

**Acute Toxicity Estimate**

Dermal	> 2000 mg/kg
Inhalation - Vapor	> 20 mg/L
Oral	> 2000 mg/kg

**Immediate Effects**

May be harmful if swallowed.

**Delayed Effects**

No information on significant adverse effects.

**Irritation/Corrosivity Data**

No information available for the product.

**Respiratory Sensitization**

No information available for the product.

**Dermal Sensitization**

No information available for the product.

**Component Carcinogenicity**

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

**Germ Cell Mutagenicity**

No information available for the product.

**Tumorigenic Data**

No information available for the product.

**Reproductive Toxicity**

No information available for the product.

**Specific Target Organ Toxicity - Single Exposure**

No target organs identified.

**Specific Target Organ Toxicity - Repeated Exposure**

No target organs identified.

**Aspiration hazard**

Not expected to be an aspiration hazard.

**Medical Conditions Aggravated by Exposure**

No information available for the product.

## Section 12 - ECOLOGICAL INFORMATION

**Component Analysis - Aquatic Toxicity**

No LOLI ecotoxicity data are available for this product's components.

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

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**SDS ID: CC-001**

**Mobility**

No information available for the product.

**Bioconcentration**

No information available for the product.

**Other Toxicity**

No additional information available for the product.

**Section 13 - DISPOSAL CONSIDERATIONS**

**Disposal Methods**

Dispose in accordance with all applicable federal, state/regional and local laws and regulations.

**Component Waste Numbers**

The U.S. EPA has not published waste numbers for this product's components.

**Section 14 - TRANSPORT INFORMATION**

**US DOT Information:**

UN/NA #: Not regulated

**TDG Information:**

UN#: Not regulated

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

**Section 15 - REGULATORY INFORMATION**

**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories**

No hazard categories applicable.

**U.S. State Regulations**

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

**Not listed under California Proposition 65**

**Canada Regulations**

**Canadian WHMIS Ingredient Disclosure List (IDL)**

The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

**Component Analysis - Inventory**

**Calcium ammonium nitrate (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	NSL	EIN	No	No	No	No	Yes	No	No	No	Yes	No	Yes	No

**Calcium chloride (Trade Secret)**

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US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	No	Yes	Yes

**Magnesium nitrate, hexahydrate (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes

**EDTA, iron(III) (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	No	No	No	No	Yes	Yes	No	No	No	No	No	No	Yes	No

**Water (Trade Secret)**

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2	KR - REACH CCA	CN	NZ	MX	TW	VN (Draft)
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes	Yes

**Further information**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**Section 16 - OTHER INFORMATION**

**NFPA Ratings**

Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

**Summary of Changes**

New SDS

**Preparation Date**

# Safety Data Sheet

Material Name: Cultured Solutions® Coco Cal

SDS ID: CC-001

December 8, 2017

## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; Ne - Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL - Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

## Other Information

### Disclaimer:

The information set forth in this Safety Data Sheet does not purport to be all-inclusive and should be used only as a guide. While the information and recommendations set forth herein are believed to be accurate, the company makes no warranty regarding such information and recommendations and disclaims all liability from reliance thereon.

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG A

FILE NO.:  
MSDS DATE: 8/8/2016

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## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Cultured Solutions™ Veg A  
**PRODUCT CODE:** CSVEGA

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave – Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

---

**INGREDIENT:**  
Liquid Fertilizer NPK 5 - 0 - 0.3 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

## SECTION 3: HAZARDS IDENTIFICATION

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.



# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG A

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 7: HANDLING AND STORAGE

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Veg A, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE:** Transparent brown liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 5.3

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

## SECTION 10: STABILITY AND REACTIVITY

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

## SECTION 12: ECOLOGICAL INFORMATION

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG A

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

## SECTION 14: TRANSPORT INFORMATION

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

## SECTION 15: REGULATORY INFORMATION

---

**EPA Regulations:** Not listed

---

## SECTION 16: OTHER INFORMATION

---

**OTHER INFORMATION:** Cultured Solutions™ Veg A is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

**DISCLAIMER:** Current Culture H2O™ provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in using this product.



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# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Cultured Solutions™ Veg B  
**PRODUCT CODE:** CSVEGB

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave - Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

---

**INGREDIENT:**  
Liquid Fertilizer NPK 1.3 – 2 – 5.9 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

## SECTION 3: HAZARDS IDENTIFICATION

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 7: HANDLING AND STORAGE

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Veg B, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE:** Transparent liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 4.2

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

## SECTION 10: STABILITY AND REACTIVITY

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

## SECTION 12: ECOLOGICAL INFORMATION

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ VEG B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

## SECTION 14: TRANSPORT INFORMATION

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

## SECTION 15: REGULATORY INFORMATION

---

**EPA Regulations:** Not listed

---

## SECTION 16: OTHER INFORMATION

---

**OTHER INFORMATION:** Cultured Solutions™ Veg B is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

**DISCLAIMER:** Current Culture H2O™ provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in using this product.



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# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ BLOOM A

FILE NO.:  
MSDS DATE:8/8/2016

---

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Cultured Solutions™ Bloom A  
**PRODUCT CODE:** CSBLOOMA

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave. – Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

---

**INGREDIENT:**  
Liquid Fertilizer NPK 3.7 – 0 – 3 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

## SECTION 3: HAZARDS IDENTIFICATION

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

---

**SECTION 7: HANDLING AND STORAGE**

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Bloom A, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** Transparent brown liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 5.7

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ BLOOM A

FILE NO.:  
MSDS DATE:8/8/2016

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

## SECTION 14: TRANSPORT INFORMATION

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

## SECTION 15: REGULATORY INFORMATION

---

**EPA Regulations:** Not listed

---

## SECTION 16: OTHER INFORMATION

---

**OTHER INFORMATION:** Cultured Solutions™ Bloom A is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

**DISCLAIMER:** Current Culture H2O™ provides the information contained herein in good faith, but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in using this product.



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# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ BLOOM B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

---

**PRODUCT NAME:** Cultured Solutions™ Bloom B  
**PRODUCT CODE:** CSBLOOMB

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave – Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

## SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

---

**INGREDIENT:**  
Liquid Fertilizer NPK 0.9 – 4.8 – 6.2 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

## SECTION 3: HAZARDS IDENTIFICATION

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

## SECTION 4: FIRST AID MEASURES

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

## SECTION 5: FIRE-FIGHTING MEASURES

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

## SECTION 6: ACCIDENTAL RELEASE MEASURES

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ BLOOM B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 7: HANDLING AND STORAGE

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Bloom B, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

---

**APPEARANCE:** Transparent liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 3.8

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

## SECTION 10: STABILITY AND REACTIVITY

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

## SECTION 11: TOXICOLOGICAL INFORMATION

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

## SECTION 12: ECOLOGICAL INFORMATION

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

# MATERIAL SAFETY DATA SHEET

CULTURED SOLUTIONS™ BLOOM B

FILE NO.:  
MSDS DATE: 8/8/2016

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

## SECTION 14: TRANSPORT INFORMATION

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

## SECTION 15: REGULATORY INFORMATION

---

**EPA Regulations:** Not listed

---

## SECTION 16: OTHER INFORMATION

---

**OTHER INFORMATION:** Cultured Solutions™ Bloom B is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

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**MATERIAL SAFETY DATA SHEET**  
CULTURED SOLUTIONS™ BUD BOOSTER - EARLY

**FILE NO.:**  
**MSDS DATE: 8/8/2016**

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**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

---

**PRODUCT NAME:** Cultured Solutions™ Bud Booster - Early  
**PRODUCT CODE:** CSBUDBOOSTER-EARLY

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave – Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

---

**INGREDIENT:**  
Liquid Fertilizer NPK 1 – 3.7 – 2.6 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

**SECTION 3: HAZARDS IDENTIFICATION**

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

**SECTION 4: FIRST AID MEASURES**

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

---

**SECTION 7: HANDLING AND STORAGE**

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Bud Booster, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** Transparent liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 4.1

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

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**SECTION 15: REGULATORY INFORMATION**

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**EPA Regulations:** Not listed

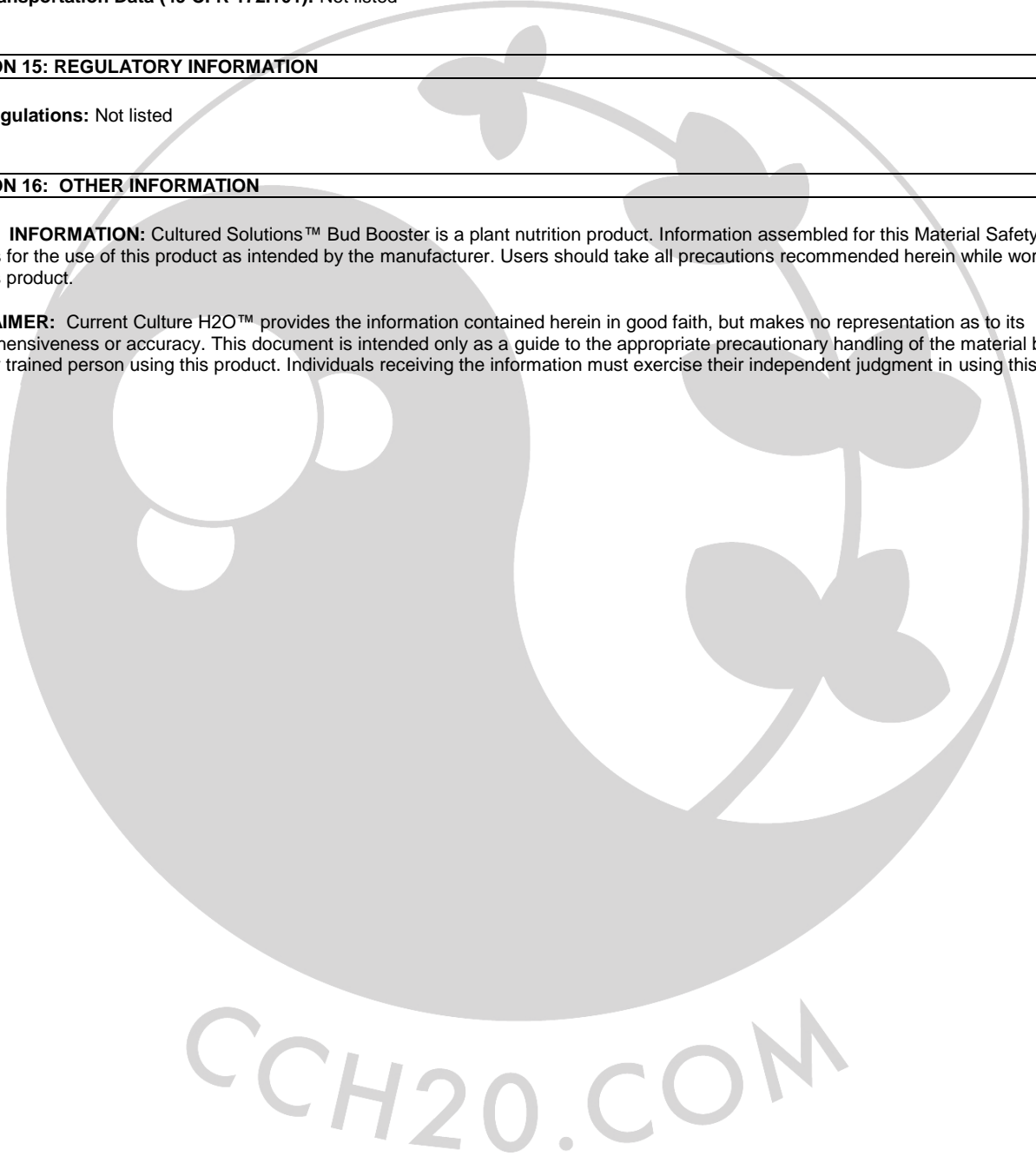
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**SECTION 16: OTHER INFORMATION**

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**OTHER INFORMATION:** Cultured Solutions™ Bud Booster is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

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**MATERIAL SAFETY DATA SHEET**  
CULTURED SOLUTIONS™ BUD BOOSTER

**FILE NO.:**  
**MSDS DATE:** 8/8/2016

---

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

---

**PRODUCT NAME:** Cultured Solutions™ Bud Booster Mid  
**PRODUCT CODE:** CSBUDBOOSTERMID

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave - Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

---

**INGREDIENT:**  
Liquid Fertilizer NPK 0 – 4.5 – 4.8 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

**SECTION 3: HAZARDS IDENTIFICATION**

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

**SECTION 4: FIRST AID MEASURES**

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

**MATERIAL SAFETY DATA SHEET**  
CULTURED SOLUTIONS™ BUD BOOSTER

**FILE NO.:**  
**MSDS DATE:** 8/8/2016

---

**SECTION 7: HANDLING AND STORAGE**

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Bud Booster, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** Transparent liquid.

**ODOR:** None.

**PHYSICAL STATE:** Aqueous liquid.

**pH AS SUPPLIED:** 4.1

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.1

**WATER SOLUBILITY:** Soluble

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

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**SECTION 12: ECOLOGICAL INFORMATION**

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown



**MATERIAL SAFETY DATA SHEET**  
CULTURED SOLUTIONS™ BUD BOOSTER

**FILE NO.:**  
**MSDS DATE:** 8/8/2016

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

**SECTION 15: REGULATORY INFORMATION**

---

**EPA Regulations:** Not listed

---

**SECTION 16: OTHER INFORMATION**

---

**OTHER INFORMATION:** Cultured Solutions™ Bud Booster is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

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**MATERIAL SAFETY DATA SHEET**  
CULTURED SOLUTIONS™ BUD BOOSTER - LATE

**FILE NO.:**  
**MSDS DATE: 8/8/2016**

---

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

---

**PRODUCT NAME:** Cultured Solutions™ Bud Booster - Late  
**PRODUCT CODE:** CSBUDBOOSTER-LATE

**MANUFACTURER:** Current Culture H2O™  
4333 S Minnewawa Ave – Suite 101  
Fresno, CA 93725  
Phone: 559-266-4769, Fax: 559-486-4769

**PRODUCT USE:** Hydroponic plant nutrient.

---

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

---

**INGREDIENT:**  
Powder Fertilizer NPK 1 – 40 – 22 with trace minerals.

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
Contains no hazardous ingredients.			

---

**SECTION 3: HAZARDS IDENTIFICATION**

---

**ROUTES OF ENTRY:** Eyes, ingestion, inhalation, and skin contact.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation, redness and pain.

**SKIN:** May cause irritation.

**INGESTION:** Ingestion may cause gastrointestinal irritation.

**INHALATION:** May cause irritation.

---

**SECTION 4: FIRST AID MEASURES**

---

**EYES:** Flush with clean water, if irritation occurs seek medical advise.

**SKIN:** Wash with water and soap

**INGESTION:** Drink a copious amount of water, seek medical advise.

**INHALATION:** Remove to fresh air, seek medical advise.

---

**SECTION 5: FIRE-FIGHTING MEASURES**

---

**FLAMABILITY CLASSIFICATION:** Non-Combustible.

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical, fog or foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Container may explode in heat of fire.

---

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

**SPILL/ LEAK PROCEDURES:** Clean area with absorbent towel or mop.

**ENVIRONMENTAL PRECAUTIONS:** Do not allow to enter drains, sewers or water courses.

---

**SECTION 7: HANDLING AND STORAGE**

---

**HANDLING:** Avoid ingestion, inhalation, skin contact and eye contact.

**STORAGE:** Keep in sealed containers in a cool, dry area. Store above freezing conditions. Keep out of reach of children.

---

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

**VENTILATION :** Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

**RESPIRATORY PROTECTION:** If this product is used as directed, respiratory protection is not required.

**EYE PROTECTION:** When handling Bud Booster, protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134).

**SKIN PROTECTION & PROTECTIVE CLOTHING:** Wear when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

**WORK HYGIENIC PRACTICES:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

---

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

---

**APPEARANCE:** White powder.

**ODOR:** None.

**PHYSICAL STATE:** Granular powder.

**pH AS SUPPLIED:** 4.1

**BOILING POINT:** 101°C

**FREEZING POINT:** -1°C

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** >99.7%

**WATER SOLUBILITY:** Soluble

---

**SECTION 10: STABILITY AND REACTIVITY**

---

**STABILITY:** Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

**CONDITIONS TO AVOID (POLYMERIZATION):** Evaporating to near dryness. Mixture with combustible materials, high temperatures.

---

**SECTION 11: TOXICOLOGICAL INFORMATION**

---

**TOXICOLOGICAL INFORMATION:** Not believed to be toxic

---

**SECTION 12: ECOLOGICAL INFORMATION**

---

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant

**Environmental Degradation:** Unknown

---

**SECTION 13: DISPOSAL CONSIDERATIONS**

---

**WASTE DISPOSAL METHOD:** Follow Federal, State, and local regulations.

---

**SECTION 14: TRANSPORT INFORMATION**

---

**DOT Transportation Data (49 CFR 172.101):** Not listed

---

**SECTION 15: REGULATORY INFORMATION**

---

**EPA Regulations:** Not listed

---

**SECTION 16: OTHER INFORMATION**

---

**OTHER INFORMATION:** Cultured Solutions™ Bud Booster is a plant nutrition product. Information assembled for this Material Safety Data Sheet is for the use of this product as intended by the manufacturer. Users should take all precautions recommended herein while working with this product.

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