

# 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™

4067 W Shaw Ave- Suite 112

Fresno, CA 93722

Phone: 559-266-4769

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

## 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     |

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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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## 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

|                     |                          |                           |               |
|---------------------|--------------------------|---------------------------|---------------|
| Appearance          | Transparent brown liquid | Physical State            | liquid        |
| Odor                | None                     | Color                     | Not available |
| Odor Threshold      | Not available            | pH                        | 6.1           |
| 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 |

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|                                 |                  |                                               |               |
|---------------------------------|------------------|-----------------------------------------------|---------------|
| <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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## 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

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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.