



# Safety Data Sheet

## Section 1 Identification of the Substance and of the Supplier

### 1.1 Product Identifier

Product Name/Identification:	AquaFlex - uncoated
Synonyms:	None

### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advices Against

Recommend Uses:	Various Industrial, Pharmaceutical and Agricultural Applications
Uses Advised Against:	None known

### 1.3 Details of the Supplier of the SDS

Manufacturer/Supplier:	Sphere One, Inc.
Street Address:	601 Cumberland, Ste. C
City, State and Zip Code:	Chattanooga, TN 37404
Customer Service Telephone:	423.629.7160
E-mail Address:	jstone@sphereone.net

### 1.4 Emergency Telephone Number

Emergency Phone Number:	1-800-424-9300 (ChemTrec)
Hours Available:	24 hr 7 days/week

## Section 2 Hazards Identification

### 2.0 Classification of the Substance

This product is a granular - Oolitic form with no odor.

#### EMERGENCY OVERVIEW CAUTION!

May cause mild eye, skin and respiratory irritation. This product is not flammable or combustible.



### Section 3 Composition/Information on Ingredients

Substance	CAS No.	Percentage (%)
Oolitic Aragonite (Calcium carbonate)	14791-73-2	98% - 100%

### Section 4 First Aid Measures

#### 4.0

**Eye:** Flush eyes with large quantities of water, holding the eyelids apart. Get medical attention if irritation persists.

**Skin:** Wash skin with soap and water. . Get medical attention if irritation develops.

**Ingestion:** If large amounts are swallowed, seek medical advice.

**Inhalation:** Remove to fresh air. Get medical attention if symptoms persist.

### Section 5 Firefighting Measures

#### 5.1

**Extinguishing Media:** Use any media appropriate for surrounding fire.

**Unusual Fire or Explosion Hazards:** None known. Not flammable or combustible.

**Special Fire-Fighting Instructions:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

**Explosion Data (sensitivity to mechanical impact or static discharge):** None known.

### Section 6 Accidental Release Measures

#### 6.0

Wear appropriate protective clothing as described in Section 8. Collect in a manner that minimizes the generation of airborne dust (vacuuming or wet sweeping). Place in container for use or disposal.

Report releases as required by local, state and federal authorities.

### Section 7



## Handling and Storage

### 7.0

**Handling:** Avoid contact with the eyes. Avoid breathing dusts. Use with adequate ventilation. Keep containers closed when not in use. Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

**Storage:** Store in a cool, dry area.

## Section 8 Exposure Control/Personal Protection

### 8.0

#### Exposure Guidelines:

<b>Aragonite (Calcium carbonate)</b>	<b>5 mg/m<sup>3</sup> (respirable dust), 15 mg/m<sup>3</sup> (total dust) TWA OSHA PEL</b>
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**Engineering Controls:** Use general or local exhaust ventilation as required to minimize exposures levels and maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** If the occupational exposure limit is exceeded, a NIOSH approved respirator with dust/mist cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

**Skin Protection:** None normally required.

**Eye Protection:** Safety glasses or goggles recommended.

**Other:** None normally required.

## Section 9 Physical and Chemical Properties

### 9.0

<b>Appearance And Odor:</b>	This product is a granular - Oolitic form with no odor.
<b>Physical State:</b>	Solid
<b>Boiling Point:</b>	Not applicable
<b>Vapor Density:</b>	Not applicable
<b>Vapor Pressure:</b>	Not applicable
<b>Solubility In Water:</b>	Insoluble



<b>Evaporation Rate:</b>	Not applicable
<b>Specific Gravity:</b>	2.7-2.95
<b>pH:</b>	8-9
<b>Melting Point:</b>	825°C (1517°F)
<b>Octanol/Water Coefficient:</b>	Not determined
<b>Flashpoint:</b>	None
<b>Autoignition Temperature:</b>	None
<b>Flammable Limits:</b>	LEL: Not applicable UEL: Not applicable

## Section 10 Stability and Reactivity

### 10.0

**Stability:** Stable under normal storage and handling conditions.

**Incompatibility:** Strong acids, alum, ammonium salts, mercury and hydrogen, fluorine, magnesium.

**Hazardous Decomposition Products:**

Calcium carbonate reacts with acids generating carbon dioxide and heat. Thermal decomposition yields calcium oxide and carbon dioxide.

**Hazardous Polymerization:**

Will not occur.

## Section 11 Toxicological Information

### 11.0

**HEALTH HAZARDS:**

**Ingestion:** This product is not acutely toxic. Ingestion of large amounts may cause irritation of the mucous membranes and intestinal tract.

**Inhalation:** Inhalation of dusts may cause mild irritation of the nose throat and upper respiratory tract.

**Eye:** May cause mild irritation with redness and tearing.

**Skin:** No adverse effects expected.

**Chronic:** No adverse effects from chronic exposure are expected.



**Carcinogenicity:** None of the components is listed as a carcinogen or suspected carcinogen by ACGIH, IARC, NTP or OSHA.

**Medical Conditions Aggravated by Exposure:** Employees with pre-existing skin disease may be at increased risk of irritation from exposure.

**Acute Toxicity Values:** Calcium carbonate: LD50 oral rat 6450 mg/kg.

**Section 12  
Ecological Information**

**12.0**

**Calcium carbonate:** LC50 gambusia affinis >56,000 mg/L/24-96 hr.

**Section 13  
Disposal Considerations**

**13.0**

Dispose in accordance with local, state and federal environmental regulations.

**Section 14  
Transport Information**

<b>Regulatory entity:</b> U.S. DOT	Shipping Name:	Not Regulated
	Hazard Class:	Not Regulated
	ID Number:	Not Regulated
	Packing Group:	Not Regulated

**Section 15  
Regulatory Information**

**15.0**

**CERCLA:** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Not Hazardous

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements



Under SARA Title III, Section 313 (40 CFR 372): None

**EPA TSCA Inventory:** All of the ingredients in this product are listed on the EPA TSCA Inventory.

**California Proposition 65:** This products contain the following substances known to the State of California to cause cancer: Crystalline silica <0.04%.

**CONEG:** This product complies with the CONEG restrictions on lead, cadmium, mercury and hexavalent chromium.

**CANADA:**

**Canadian CEPA:** All the components of this product are listed on the Canadian DSL.

**Canadian WHMIS Classification:** Not a controlled product. This product has been classified under the CPR and this MSDS discloses information elements required by the CPR.

**EUROPE:**

**EINECS Status:** All of the components of this product are listed on the European EINECS inventory.

**EU Preparation Classification (1999/45/EC):** Not classified as dangerous.

**EC Labeling:** None

**RoHS (Restriction on the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations):** This product is RoHS compliant.

**AUSTRALIA:**

All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances.

**JAPAN:**

All of the ingredients of this product are listed on the Japanese Existing and New Chemical Substances (MITI) List.

**KOREA:** All of the ingredients of this product are listed on the Korean Existing Chemicals List (KECL).

**CHINA:** All of the ingredients of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

**PHILIPPINES:** All of the ingredients of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).



## Section 16

### Other Information, Including Date of Preparation or Last Revision

#### 16.0

**NFPA Rating:** Health = 0 Fire = 0 Reactivity = 0

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, CaCO<sub>3</sub> Aragonite Products Inc. makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

#### **DISCLAIMER:**

*This SDS has been prepared in accordance with the Hazard Communication Rule 29 CFR 1910.1200. Information herein is based on data considered to be accurate as of date prepared. No warranty or representation, express or implied, is made as to the accuracy or completeness of this data and safety information. No responsibility can be assumed for any damage or injury resulting from abnormal use, failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.*