# Safety Data Sheet

## Oolitic Aragonite (Calcium Carbonate)

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulation

Date of issue: 04/05/2014

### Version: 1.0

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

<table>
<thead>
<tr>
<th>1.1. Product identifier</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product form</strong>        : Substance</td>
</tr>
<tr>
<td><strong>Substance name</strong>      : Oolitic Aragonite</td>
</tr>
<tr>
<td><strong>CAS No</strong>              : 14791-73-2</td>
</tr>
<tr>
<td><strong>Product code</strong>        : Oceancal</td>
</tr>
<tr>
<td><strong>Formula</strong>             : CaCO3</td>
</tr>
</tbody>
</table>

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : For laboratory and manufacturing use only.

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

Calcean, LLC  
2213 Killion Ave  
Seymour, IN 47274  
Phone: 812.672.4995  
Fax: 812.523.0742

### 1.4. Emergency telephone

Emergency number : CHEMTREC: 1-800-424-9300 or 011-703-527-3887

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**GHS-US classification**

<table>
<thead>
<tr>
<th>Skin Irrit.</th>
<th>H315</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irrit.</td>
<td>H320</td>
</tr>
<tr>
<td>STOT SE</td>
<td>H335</td>
</tr>
</tbody>
</table>

#### 2.2. Label elements

**GHS-US labelling**

Hazard pictograms (GHS-US)

- ![GHS07](image)

**Signal word (GHS-US)**

- Warning

**Hazard statements (GHS-US)**

- H315 - Causes skin irritation  
- H320 - Causes eye irritation  
- H335 - May cause respiratory irritation

**Precautionary statements (GHS-US)**

- P261 - Avoid breathing dust  
- P264 - Wash exposed skin thoroughly after handling P271  
- Use only outdoors or in a well-ventilated area P280 - Wear protective gloves, eye protection  
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
- P304+P340 - IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing  
- P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
- P312 - Call a POISON CENTER/doctor/physician if you feel unwell P332+P313  
- If skin irritation occurs: Get medical advice/attention P337+P313 - If eye irritation persists: Get medical advice/attention P362 - Take off contaminated clothing and wash before reuse  
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
- P405 - Store locked up  
- P501 - Dispose of contents/container to comply with local, state and federal regulations

### 2.3. Other hazards

Other hazards not contributing to the : None under normal conditions.
**Classification**

2.4. **Unknown acute toxicity (GHS-US)**

No data available

**SECTION 3: Composition/information on ingredients**

<table>
<thead>
<tr>
<th>Substance type</th>
<th>Mono-constituent</th>
</tr>
</thead>
</table>

**Name**

Oolitic Aragonite (Calcium Carbonate) (Main constituent)

**Product identifier**

(CAS No) 14791-73-2

**%**

98-100

**GHS-US classification**

Skin Irrit. 2, H315
Eye Irrit. 2B, H320
STOT SE 3, H335

Full text of H-phrases: see section 16

**SECTION 4: First aid measures**

4.1. **Description of first aid measures**

First-aid measures general

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation

Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

First-aid measures after skin contact

Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion

Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. **Most important symptoms and effects, both acute and delayed**

Symptoms/injuries after inhalation

May cause respiratory irritation.

Symptoms/injuries after skin contact

Causes skin irritation.

Symptoms/injuries after eye contact

Causes eye irritation.

4.3. **Indication of any immediate medical attention and special treatment needed**

Obtain medical assistance.

**SECTION 5: Firefighting measures**

5.1. **Extinguishing media**

Suitable extinguishing media


Unsuitable extinguishing media

Do not use a heavy water stream.

5.2. **Special hazards arising from the substance or mixture**

No additional information available

5.3. **Advice for firefighters**

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6: Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**

6.1.1. **For non-emergency personnel**

Protective equipment


Emergency procedures

Evacuate unnecessary personnel.

6.1.2. **For emergency responders**

Protective equipment

Equip cleanup crew with proper protection.

Emergency procedures

Ventilate area.

6.2. **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for containment and cleaning up

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Avoid breathing dust. Use only outdoors or in a well-ventilated area.

Hygiene measures: Wash exposed skin thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.


Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Oolitic Aragonite (Calcium Carbonate)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA OSHA</td>
<td>5 mg/m³</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation.

Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Wear appropriate mask.

Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Molecular mass</td>
<td>100.09 g/mol</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>8-9</td>
</tr>
<tr>
<td>Relative evaporation rate (butylacetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>825 °C</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Self ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>825 °C</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
</tbody>
</table>
### Density
2.93 g/cm³

### Solubility
No data available

### Log Pow
No data available

### Log Kow
No data available

### Viscosity, kinematic
No data available

### Viscosity, dynamic
No data available

### Explosive properties
No data available

### Oxidizing properties
No data available

### Explosive limits
No data available

### 9.2. Other information
No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
No additional information available

### 10.2. Chemical stability
Stable under normal conditions.

### 10.3. Possibility of hazardous reactions
Reacts violently with acids.

### 10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials
Strong acids. Strong oxidizers.

### 10.6. Hazardous decomposition products
Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects
Acute toxicity: Not classified

<table>
<thead>
<tr>
<th>Oolitic Aragonite (Calcium Carbonate) 14791-73-2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>6450 mg/kg</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

Specific target organ toxicity (repeated exposure): Not classified

Aspiration hazard: Not classified

Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

| Symptoms/injuries after inhalation | May cause respiratory irritation. |
| Symptoms/injuries after skin contact | Causes skin irritation. |
| Symptoms/injuries after eye contact | Causes eye irritation. |
| Likely routes of exposure | Inhalation; Skin and eye contact. |
SECTION 12: Ecological information

12.1. Toxicity
No additional information available

12.2. Persistence and degradability
| Oolitic Aragonite (Calcium Carbonate) 14791-73-2 | Persistence and degradability | Not established |

12.3. Bioaccumulative potential
| Oolitic Aragonite (Calcium Carbonate) 14791-73-2 | Bioaccumulative potential | Not established |

12.4. Mobility in soil
No additional information available

12.5. Other adverse effects
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT
No dangerous good in sense of transport regulations

Additional information
Other information : No supplementary information available.

ADR
Transport document description : 

Transport by sea
No additional information available

Air transport
No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations
| Oolitic Aragonite (Calcium Carbonate) 14791-73-2 | Listed on the United States TSCA (Toxic Substances Control Act) inventory |

15.2. International regulations

CANADA
| Oolitic Aragonite (Calcium Carbonate) | Listed on the Canadian DSL (Domestic Substances List) inventory |

EU-Regulations
No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not classified

Classification according to Directive 67/548/EEC or 1999/45/EC
Not classified
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15.2. National regulations

Oolitic Aragonite (Calcium Carbonate) 4791-73-2
No additional information available

15.3. US State regulations
No additional information available

SECTION 16: Other information
Other information: None.

Full text of H-phrases: see section 16:

<table>
<thead>
<tr>
<th>H-phrases</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritative. 2B</td>
<td>Serious eye damage/eye irritation, Category 2B</td>
</tr>
<tr>
<td>Skin Irritative. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H320</td>
<td>Causes eye irritation</td>
</tr>
<tr>
<td>H335</td>
<td>May cause respiratory irritation</td>
</tr>
</tbody>
</table>

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 1 - Slight Hazard - Irritation or minor reversible injury possible
Flammability: 0 - Minimal Hazard
Physical: 0 - Minimal Hazard
Personal Protection: E

SDS US (GHS HazCom 2012)
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