

## SECTION I – IDENTIFICATION

**PRODUCT IDENTIFIER**

Oyster Shell

**OTHER SYNONYMS**

Aglime, Mineral Filler  
Calcium Carbonate

**RECOMMENDED USE**

Used for Animal feed nutrition.

**RESTRICTION ON USE**

Not for human consumption.

**DISTRIBUTED BY:**

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## SECTION II – HAZARD(S) IDENTIFICATION

**HAZARD CLASSIFICATION:**

Shell - Calcium  
Category 1 Skin Irritant  
Category 2 Wear Eye Protection  
Category 3 Immediately Flush Eyes



Category 4 Avoid creating dust when handling, using or storing. Use with adequate ventilation to keep exposure below recommended exposure limits.

Category 5 Dispose of product in accordance with local, regional, national or international regulations.

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT(S) CHEMICAL NAME	CAS REGISTRY NO	CONCENTRATION (wt/wt)
Oyster Shell		
Calcium Carbonate, CaCO <sub>3</sub>	1317-65-3	>=95%

(1): The composition of SiO<sub>2</sub> may be up to 100% crystalline silica

**SECTION IV – FIRST-AID MEASURES**

**FLASH POINT (METHOD USED)**

None Direct Ignition

**EXTINGUISHING MEDIA**

Not Applicable

**SPECIAL FIRE FIGHTING PROCEDURES**

Not Applicable

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

None

**EYES**

Immediately flush eyes with water for up to 15 minutes. Remove contacts if wearing and continue rinsing. Seek medical attention if irritation persists.

**SKIN**

Rinse skin with soap

**SECTION V – FIRE-FIGHTING MEASURES**

**EXTINGUISHING AGENT**

**Not flammable;** use extinguishing media compatible with surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES**

None known

**HAZARDOUS COMBUSTION PRODUCTS**

None known

**SECTION VI – ACCIDENTAL RELEASE MEASURES**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Collect the material using a method that does not produce dust.

Vacuum or thoroughly wet down the dust before cleaning up.

Wear appropriate personal protective equipment.

Place the dust in a covered container appropriate for disposal.

## SECTION VII – HANDLING AND STORAGE

Do not breathe dust. Avoid contact with skin and eyes. Do not store near food or beverages or smoking materials.

Do not stand on piles of materials; it may be unstable.

Use adequate ventilation and dust collection equipment. Familiarize your employees with this SDS and the information contained

herein. Warn your employees, your customers and other third parties.

Sweep and dispose of in proper manner or wash away with water.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne OELs for Components of Shell:

COMPONENT(S) CHEMICAL NAME	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Ont. Reg. 833 TWAEV (mg/m <sup>3</sup> )
Coastal Brand Shell Calcium Carbonate, CaCO <sub>3</sub>	15	10	10

1. Crystalline silica is normally measured as respirable dust.
2. Nuisance dust
3. Ventilation
4. Eye Protection
5. Skin protection, gloves etc.

### EYE/FACE PROTECTION

Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated. If irritation persists, get medical attention immediately. There is potential for severe eye irritation if exposed to excessive concentrations of dust for those using contact lenses.

### SKIN PROTECTION

Use appropriate protective gloves if manually handling the product.

### RESPIRATORY PROTECTION

Wear an NIOSH approved mask if dust is present.

**SECTION IX— PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE</b> Shell is a mixture of fine to coarse angular white to gray particles ranging in size from 1/4" to 325 mesh.	<b>ODORLESS</b>
<b>pH AND VISCOSITY</b> Not applicable	<b>MELTING POINT/FREEZING POINT</b> Not applicable
<b>BOILING POINT AND RANGE</b> Not applicable	<b>FLASH POINT AND FLAMMABILITY</b> Not applicable
<b>FLAMMABILITY/EXPLOSIVE LIMITS AND AUTOIGNITION TEMPERATURE</b> Not applicable	<b>EVAPORATION RATE AND DECOMPOSITION TEMPERATURE</b> Not applicable
<b>VAPOR PRESSURE AND VAPOR DENSITY IN AIR</b> Not applicable	<b>SPECIFIC GRAVITY.</b> 2.75
<b>SOLUBILITY IN WATER</b> Insoluble	<b>PARTITION COEFFICIENT: N-OCTANOL/WATER</b> Not applicable

**SECTION X – STABILITY AND REACTIVITY**

<b>STABILITY</b> Stable	<b>CONDITIONS TO AVOID</b> Contact with incompatible materials.
<b>NOT FLAMMABLE</b>	<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Calcium oxide and carbon dioxide.
<b>HAZARDOUS POLYMERIZATION</b> Not known to polymerize	<b>INCOMPATIBLE MATERIALS</b> Acids, reactive halogenated and phosphated compounds, aluminum, powdered metals

## SECTION XI – TOXICOLOGICAL INFORMATION

Health Effects: The information below represents an overview of health effects caused by overexposure to one or more components in shell calcium.

Primary routes(s) of exposure:           ■ Inhalation           ■ Skin           ■ Ingestion

EYE CONTACT: Direct contact with dust may cause irritation by mechanical abrasion or corrosive action.

SKIN CONTACT: Direct contact may cause irritation.

SKIN ABSORPTION: Not expected to be a significant route of exposure.

INGESTION: Small amounts swallowed during normal handling operations are not likely to cause injury.

INHALATION: Dust may irritate nose, throat, mucous membranes and respiratory tract

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Inhaling respirable dust and/or crystalline silica may aggravate existing respiratory system disease(s). Exposure to dust may aggravate existing skin and/or eye conditions. Smoking and obstructive/restrictive lung diseases may also exacerbate the effects of excessive exposure to this product.

Exposure route: Eyes, respiratory system.

Target organs: Eyes, skin, respiratory system.

Lower exposure limits may be appropriate for some individuals including persons with pre-existing medical conditions as described under medical conditions aggravated by exposure.

#### Aluminum Oxide:

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

#### Sodium Oxide:

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

#### Iron Oxide: (Ferric Oxide)

Exposure route: Inhalation, ingestion, skin

Target organs: Respiratory system, skin, eyes, neurological system

#### Potassium Oxide:

Exposure route: Inhalation, ingestion, eye/skin contact.

Target organs: Respiratory system, gastrointestinal system, eyes, skin.

#### Calcium Oxide:

**SECTION XI – TOXICOLOGICAL INFORMATION, CONTD.**

Exposure route: Inhalation, ingestion, skin/eye contact.

Target organs: Eyes, skin, respiratory system.

Magnesium Oxide:

Exposure route: Inhalation, eye/skin contact.

Target organs: Eyes, respiratory system.

Calcium Carbonate:

Exposure route: Inhalation, skin/eye contact.

Target organs: Eyes, skin, respiratory system.

**SECTION XII – ECOLOGICAL INFORMATION**

No data available.

**SECTION XIII – DISPOSAL CONSIDERATION**

Waste Disposal Method:

Collect and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations.

**SECTION XIV – TRANSPORT INFORMATION**

DOT HAZARD CLASSIFICATION

None

TDG (Canada)

None

PLACARD REQUIRED

None

IMDG

None

IATA

None

Product is moved in bulk trucks, vans and trailers.

**SECTION XV – REGULATORY INFORMATION**

OSHA: Crystalline Silica is not listed as a carcinogen.

FDA: Silica is included in the list of substances that may be included in coatings used in food contact surfaces, 21 CFR §175.300(b)(3). (The FDA standard primarily applies to products containing silica used in the coatings of food contact surfaces).

Calcium Carbonite: It is claimed that using pure calcium carbon does not cause pneumoconiosis. Adverse health effects have generally not been reported in literature amount workers using CaCo3.

## SECTION XVI – OTHER INFORMATION

### DEFINITIONS OF ACRONYMS/ABBREVIATIONS

ANSI: American National Standards Institute

CAS: Chemical Abstracts Service

CFR: US Code of Federal Regulations

EPA: Environmental Protection Agency

FDA: Food and Drug Administration

GHS: Globally Harmonized System

MSHA: Mine Safety and Health Administration

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration, US Department of Labor

RCRA: Resource Conservation and Recovery Act

SDS: Safety Data Sheet

TWA: Time-Weighted Average

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Minerals & Ingredients and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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