

**Name**

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**Section 1: Identification**

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**Product Name:** Oolitic Aragonite (Calcium Carbonate)

**Synonyms:** Aragonite

**CAS No:** **14791-73-2**

**Recommended Use(s):** **Used as a feed ingredient and nutritional supplement for poultry and livestock; Industrial, Pharmaceutical and Agricultural Agronomic applications.**

**Responsible Party:** Ag Source, LLC  
*PO Box 245*  
Mifflintown, PA 17059  
P: 717.436.2616

**Emergency Contact:** 24-HOUR CHEMTREC  
US & CANADA: 800.424.9300  
International: +1 703.527.3887

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**Section 2: Hazard(s) Identification**

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**GHS Classification**

Physical Hazard:	None	
Health Hazard:	Skin Irritation	Category 3
	Eye Irritation	Category 2B
	Carcinogenicity	Category 1A
	Specific Target Organ toxicity – Repeated Exposure	Category 1

**GHS Label Signal Word:** **Danger**

**Hazard Statement:** May cause coughing, sneezing and/or respiratory irritation is inhaled. May cause skin dryness and irritation. Ingesting large amounts may be harmful. May create a flash fire or

explosion hazard if dust of certain particle size is suspended in the air at a sufficient concentration in a confined space and exposed to an ignition source.

**Precautionary Statement:** May be mechanical eye irritant. Rinse eyes with water for several minutes. Avoid breathing dust. Excessive inhalation may affect nose, throat and lungs. Feed dust may burn if suspended in air and may create a flash fire/explosion hazard. Avoid ignition sources.



Pictograms:

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### Section 3: Composition/Information on Ingredients

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<u>Chemical Name:</u>	<u>% By Weight</u>	<u>CAS#</u>
Oolitic Aragonite (Calcium Carbonate)	100%	14791-73-2
Crystalline Silica	<0.04%	14808-60-07

All ingredients contained in this product are either defined as feed ingredients as established by the Association of American Feed Control Officials (AAFCO) or considered Generally Recognized as Safe (GRAS) as established by the US federal regulations for food additives as governed by the US Food and Drug Administration. All ingredients are used in accordance with the definitions provided for by the above governing bodies.

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### Section 4: First-Aid Measures

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**Eye contact:** Flush victim’s eyes thoroughly with large quantities of water, including under eye lids. Get medical attention if redness, blinking or irritation persists.

**Skin contact:** Remove dusty and affected clothing. Wash skin thoroughly with soap and water. Launder clothing before re-use. Wash with soap and water. If irritation or redness develops, seek medical attention.

**Ingestion:** Rinse mouth. Do not induce vomiting. Get medical attention if a large amount is ingested.

**Inhalation:** Remove victim to fresh air. If symptoms persist or breathing is difficult, get medical attention immediately.

**Most Important Symptoms:** Eye and respiratory irritation due to prolonged exposure to dust.

**Immediate Medical Attention/ Special Treatment:** No immediate medical attention anticipated under anticipated conditions of normal use of this product.

Individuals with known sensitivities to dust exposure should use caution when handling this product.

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### Section 5: Fire-Fighting Measures

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**Suitable Extinguishing Media:** Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Contain all water used for firefighting to the greatest extent possible.

**Special Protective Equipment and Precautions for Firefighters:** Do not enter fire area without proper protective equipment, including respiratory protection. Dust that becomes wet may cause surfaces to be extremely slippery and cause a slip hazard.

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### Section 6: Accidental Release Measures

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**Personal Precautions, Protective Equipment, Emergency Procedures:**

Wear personal protective equipment to prevent contact with skin. Avoid contact with the skin and the eyes. Avoid generating airborne dust. Wearing of SCBA should be adequate to protect against inhalation of dust.

**Methods and Materials for Containment and Clean Up:** Utilize cleanup methods that minimize generating dust. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Clear spills immediately and dispose of waste safely. Avoid actions that cause dust to become airborne during clean-up such as dry sweeping or using compressed air. Use PPE described in Section 8. Use only non-sparking tools. Wet areas may be slippery and cause slip hazard.

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### Section 7: Handling and Storage

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**Safe Handling:** Avoid skin and eye contact. Do not ingest. Do not breathe dust. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving affected work area. Provide good ventilation in process area to avoid inhalation of dust. Wear suitable protective clothing. Avoid creating or spreading dust. An eye wash station should be readily available when this product is handled.

**Safe Storage:** Store in dry, well ventilated areas away from incompatible materials. Keep containers closed when not in use.

**Incompatible Products:** Strong Bases. Strong Acids.

**Incompatible Products:** Sources of ignition. Direct sunlight.

**Section 8: Exposure Controls/Personal Protection**

**Occupational Exposure Limits:**

<b>Oolitic Aragonite (Calcium Carbonate) (CAS#: 14791-73-2)</b>		
OSHA	OSHA PEL (TWA) (mg/m3)(Respirable Dust)	5 mg/m3
OSHA	OSHA PEL (TWA) (mg/m3) (Total Dust)	15 mg/m3
ACGIH	Not applicable	
<b>Silica Quartz (CAS#: 14808-60-7)</b>		
OSHA	OSHA PEL (TWA) (mg/m3) (Respirable)	10/(% silica +2) (respirable)
OSHA	OSHA PEL (TWA) mg/m3 (Total dust)	30/(% silica +2) (total dust)
Ont. Reg. 833 TWAEV (mg/m3)	.01	
ACGIH	0.025	

**Engineering Controls:** Use with adequate general or local exhaust ventilation and to maintain exposure below occupational exposure limits. Ensure that all electrical components/systems are in compliance with the National Electrical Code. Proper grounding procedures to avoid static electricity should be followed.

**Personal Protective Equipment:** **Avoid all unnecessary exposure.**

**Respiratory Protection:** If exposure limits are exceeded, an approved particulate respirator, or supplied air respirator, appropriate for the airborne concentrations, should be used. May cause irritation of

the nasal membranes or the upper respiratory tract if dust exceeds the nuisance level. Selection and use of the respiratory protective equipment must be in accordance with applicable regulations and good industrial hygiene practices. Wear an approved NIOSH dust respirator whenever dust concentrations in the work area are above ACGIH TLV/OSHA PELs.

Hand Protection:	Protective gloves are suggested
Eye Protection:	Protective chemical goggles or safety glasses are recommended
Skin and Body Protection:	Wear suitable protective clothing
Other Protective Measures:	Practice good industrial/manufacturing hygiene and housekeeping. Do not smoke, eat or drink during use.

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### Section 9: Physical and Chemical Properties

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Physical State:	Solid
Appearance:	White
Odor:	Odorless
Odor Threshold:	No data available
pH:	Not data available
Melting Point:	825 C
Freezing Point:	No data available
Boiling Point:	No data available
Flash Point:	No data available
Relative evaporation rate (butyl acetate =1)	No data available
Flammability (solid, gas):	No data available
Explosion limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor Pressure:	No data available
Relative Density:	2.7 – 2.95
Relative Vapor Density at 20 C:	No data available
Solubility:	Insoluble in water
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature:	No data available

Decomposition temperature: No data available  
Viscosity: No data available  
Viscosity, kinematic: No data available  
Viscosity, dynamic: No data available

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**Section 10: Stability and Reactivity**

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**Reactivity:** Not normally reactive

**Chemical Stability:** Stable under normal conditions of handling, storage, transport and use

**Possibility of Hazardous Reactions:** Not established

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials:** Strong bases. Strong acids.

**Hazardous Decomposition Products:** Carbon monoxide. Carbon dioxide.

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**Section 11: Toxicological Information**

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**Likely routes of exposure & symptoms:**

**Eyes:** Exposure to pulverized dust may cause irritation.

**Skin:** Exposure to pulverized dust may cause dryness and irritation.

**Ingestion:** No adverse effects expected for normal incidental ingestion. If a large amount is swallowed, it may cause gastrointestinal irritation, discomfort and blockage. Do not induce vomiting.

**Inhalation:** Exposure to pulverized dust may cause irritation in nose, throat and lungs.

**Chronic health effects:** Not classified

**Respiratory or skin sensitization:** Not classified

<b>Germ cell mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	This product is not listed as carcinogenic by OSHA, IARC, NTP, ACGIH, or the EU directives. This product may contain trace amounts of crystalline silica quartz which is listed by IARC as “Carcinogenic to Humans” (Group 1) and “Known to be a human Carcinogen” by NTP.
<b>Reproductive toxicity:</b>	Not classified
<b>Numerical Measure of Toxicity:</b>	Crystalline Silica: Oral Rate LD50> 22,500 mg/kg
<b>Signs/Symptoms of Exposure:</b>	Irritation to the skin, eyes, nose, or throat may occur. Some people may occasionally experience coughing.

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**Section 12: Ecological Information**

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<b>Toxicity:</b>	No additional information available
<b>Persistence and degradability:</b>	No additional information available
<b>Bio accumulative potential:</b>	No additional information available
<b>Mobility in soil:</b>	No additional information available
<b>Other adverse effects:</b>	No additional information available

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**Section 13: Disposal Considerations**

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Dispose of waste material in accordance with all local, regional, national, and international regulations.  
Ecological – waste materials: Avoid release to the environment


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**Section 14: Transport Information**

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This product is not classified as a hazardous material under US DOT or Canadian TDG regulations.

**Section 15: Regulatory Information**

<b>CERCLA hazardous Substances:</b>	Not listed
<b>SARA Toxic Chemical (40 CFR 372.65):</b>	Not listed
<b>SARA Section 302 Extremely Hazardous Substances (40 CFR 355):</b>	Not listed
<b>SARA 311/312:</b>	Not listed
<b>SARA Section 313 Toxic Chemicals reporting requirements:</b>	None
<b>Threshold planning quantity (TPQ):</b>	Not listed
<b>RCRA Hazardous Waste Classification (40 CFR 261):</b>	Not Classified
<b>EPA Toxic substances Control Act (TSCA) Status:</b>	All of the products listed on this product are listed on the TSCA
<b>California Proposition 65:</b>	Airborne crystalline silica particulates of respirable size are known to the State of California to cause cancer.
<b>NFPA Ratings:</b>	Health: 1 Fire: 0 Reactivity: 0
<b>HMIS Ratings:</b>	Health: 1 Fire: 0 Reactivity: 0 Personal Protection: A
<b>OSHA Specifically regulated Substance (29 CFR 1910)</b>	Not listed
<b>OSHA Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A)</b>	Listed
<b>MSHA</b>	Not listed
<b>Canada DSL</b>	Listed
<b>Canadian WHMIS Classification:</b>	D2A, Materials causing other Toxic effects 
<b>Canada CPR:</b>	This product has been classified in accordance with the hazard criteria of the controlled Products Regulation of Canada and this SDS contains all the required information.



Ontario Regulations: Refer to Regulation 845: Designated Substances- Silica

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**Section 16: Other Information**

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List of GHS:	H316: Causes mild skin irritation
Hazard Statements:	H320: Causes eye irritation
	H350: May cause cancer by inhalation
	H372: Causes damage to lungs through prolonged or repeated exposure by inhalation
List of GHS Precautionary Statements:	P201: Obtain special instructions before use
	P202: Do not handle until all safety precautions have been read and understood
	P260: Do not breathe dust
	P264: Wash hands thoroughly after handling
	P270: Do not eat, drink or smoke when using this product.
	P281: Use personal protective equipment as required

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