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PAYNE & DOLAN  
INCORPORATED

# Safety Data Sheet

**Material Name: Limestone Products**

## Section 1 – Product and Company Identification

**Product Name / Common Names / Uses**

Aggregate, Aglime, Barn Lime, Pulverized Limestone, Manufactured Sand, Screenings

**Manufacturer Information**

Payne & Dolan, Inc., and its subsidiaries and affiliates  
N3 W23650 Badinger Rd  
Waukesha, WI 53187  
Phone number: 1-262-542-1700

**Emergency Phone:** 1-800-424-9300 – Chemtrec (24 hours/day, 7 days/week)

## Section 2 – Hazard Identification

**GHS Classification:**

Acute Toxicity Oral - Category 4  
Skin Corrosion/Irritation - Category 2  
Eye Damage/Irritation - Category 2B  
Carcinogenicity - Category 1A  
Specific Target Organ Toxicity Repeat Exposure - Category 1

**GHS LABEL ELEMENTS**

**Symbol(s)**



**Signal Word**

Danger

**Precautionary Statements**

Prevention. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust.

**Response:**

**If swallowed:** Call a poison center/doctor if you feel unwell. Rinse mouth. If on skin: Wash with plenty of soap and water.

**If skin irritation occurs:** Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

**If in eyes:** 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.

**Storage:**

Store in an appropriate container or containment structure.

**Disposal:**

Dispose of contents/container in accordance with local/regional/national/international regulations

### Section 3 – Composition / Information on Ingredients

CAS No	% by Weight
1317-65-3	100
14808-60-7	>1

#### Component Information/Information on Non-Hazardous Components

##### General Product Information

Trace Elements: These materials are mined from the earth. Trace amounts of naturally occurring elements might be detected during chemical analysis of these materials.

### Section 4 – First Aid Measures

#### First Aid: Eyes

In case of contact, do not rub or scratch your eyes. If eye contact occurs immediately flush eyes with copious amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.

#### First Aid: Skin

Flush exposed skin with copious amounts of water for at least 15 minutes depending on concentration, amount and duration of exposure. Wash with mild soap and water. Immediately remove all contaminated clothing, including footwear. Call physician if irritation persists.

#### First Aid: Ingestion

Do not induce vomiting. If conscious give person 1 to 2 glasses of water. If vomiting occurs spontaneously, lower head to avoid aspiration into lungs. Seek medical attention immediately. **First Aid:**

#### Inhalation

Remove to fresh air. Allow the victim to rest in a well-ventilated area. Seek medical help if coughing and other symptoms do not subside.

### Section 5 – Fire Fighting Measures

#### General Fire Hazards

See Section 9 for Flammability Properties.

None.

#### Hazardous Combustion Products

None

#### Extinguishing Media

Use appropriate extinguishing media for surrounding fire.

**Unsuitable Extinguishing Media**

None

**Fire Fighting Equipment/Instructions**

Firefighters should wear full protective gear.

## Section 6 – Accidental Release

**Recovery and Neutralization**

Avoid handling procedures which disperse dust. Dust may contain free crystalline silica.

**Materials and Methods for Clean-Up**

Use water/wet methods whenever mixing materials or cleaning up a spill of the material.

**Emergency Measures**

Isolate area. Keep unnecessary personnel away.

**Personal Precautions and Protective Equipment**

Wear appropriate protective equipment and clothing during clean-up.

**Environmental Precautions**

Material is a natural mineral product and will not cause adverse effects to the water system.

**Prevention of Secondary Hazards**

None

## Section 7 – Handling and Storage

**Handling Procedures**

Avoid dust contact with eyes. Wear the appropriate eye protection against dust. Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded. Use good safety and industrial hygiene practices.

**Storage Procedures**

Store in a closed container in a ventilated area away from sources of heat, moisture and incompatible materials.

**Incompatibilities**

Acids react violently to produce heat.

## Section 8 – Exposure Controls / Personal Protection

**Component Exposure Limits**

**Limestone (1317-65-3)**

OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

NIOSH: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable dust)

**Quartz (14808-60-7)**

ACGIH: 0.025 mg/m<sup>3</sup> TWA (respirable fraction)

NIOSH: 0.05 mg/m<sup>3</sup> TWA (respirable dust)

**Engineering Measures**

Use local exhaust or general dilution ventilation to control exposure within applicable limits

**Personal Protective Equipment: Respiratory**

Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.

#### **Personal Protective Equipment: Hands**

Where prolonged exposure to products might occur, wear impervious gloves to eliminate skin contact.

#### **Personal Protective Equipment: Eyes**

When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with ingredients.

#### **Personal Protective Equipment: Skin and Body**

Normal work clothing (long sleeved shirts and long pants) is recommended.

### **Section 9 – Physical & Chemical Properties**

**Appearance:** White, tan or grey granular.

**Physical State:** Solid/Powder

**Vapor Pressure:** Not Applicable

**Boiling Point:** Not Applicable

**Solubility (H<sub>2</sub>O):** Negligible

**Evaporation Rate:** Not Applicable

**Octanol/H<sub>2</sub>O Coeff.:** Not Applicable

**Flash Point Method:** Not Applicable

**Lower Flammability Limit (LFL):** None

**Auto Ignition:** None

**Odor:** No Odor

**pH:** 7-9 (in water)

**Vapor Density:** Not Applicable

**Melting Point:** Not Applicable

**Specific Gravity:** 2.6 – 2.84

**VOC:** Not Applicable

**Flash Point:** None

**Upper Flammability Limit (UFL):** None

**Burning Rate:** None

### **Section 10 – Chemical Stability & Reactivity Information**

#### **Chemical Stability**

This is a stable material.

#### **Hazardous Reaction Potential**

See incompatible products.

#### **Conditions to Avoid**

Contact with incompatibles.

#### **Incompatible Products**

Acids react violently to produce heat. Avoid contact with powerful oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, and oxygen difluoride. Contact with these agents may cause fire and explosions. Silica dissolves in hydrofluoric acid producing a corrosive gas called silicon tetrafluoride.

#### **Hazardous Decomposition Products**

Handling this material may generate Silica containing respirable dust particles.

## Section 11 – Toxicological Information

### **Acute Toxicity**

Component Analysis - LD50/LC50

Quartz (14808-60-7)

Oral LD50 Rat 500 mg/kg

### **Potential Health Effects: Skin Corrosion Property/Stimulativeness**

Exposure to granular material could cause skin abrasion.

### **Potential Health Effects: Eye Critical Damage/ Stimulativeness**

Dust can cause mechanical irritation of eyes. Possible destruction of eye tissue if dust is not washed from the eye.

### **Potential Health Effects: Ingestion**

This product can cause gastrointestinal irritation if large quantities are ingested. Potential Health Effects: Inhalation Exposure to dust generated during the handling or use of the product may irritate eyes, skin, nose, throat and upper respiratory tract.

### **Respiratory Organs Sensitization/Skin Sensitization**

This product is not reported to have any sensitization effects.

### **Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

## **Carcinogenicity**

### **A: General Product Information**

May cause cancer. Exposures to respirable crystalline silica are not expected during the normal use of this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease and/or lung cancer. IARC states that crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

### **B: Component Carcinogenicity**

**Quartz (14808-60-7)**

**ACGIH:** A2 - Suspected Human Carcinogen

**NIOSH:** potential occupational carcinogen

**NTP:** Known Human Carcinogen (respirable size) (Select Carcinogen)

**IARC:** Monograph 100C [2012] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources); Monograph 68 [1997] (Group 1 (carcinogenic to humans))

### **Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

### **Specified Target Organ General Toxicity: Single Exposure**

This product is not reported to have any single exposure specific target organ toxicity effects. Specified

### **Target Organ General Toxicity: Repeated Exposure**

Causes damage to organs (lungs) through prolonged or repeated exposure.

### **Aspiration Respiratory Organs Hazard**

This product is not reported to have any aspiration hazard effects.

## Section 12 – Ecological Information

### Ecotoxicity

#### A: General Product Information

This product is not reported to have any ecotoxicity effects.

#### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

#### Persistence/Degradability

No information available for the product.

#### Bioaccumulation

No information available for the product.

#### Mobility in Soil

No information available for the product. \* \* \* Section 13 -

## Section 13 – Disposal Considerations

### Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

### Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

## Section 14 – Transportation Information

### DOT Information

Shipping Name: Not Regulated

## Section 15 – Regulator Information

### Regulatory Information

#### US Federal Regulations

#### Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

#### State Regulations

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	MA	MN	NJ	PA	RI
Limestone	1317-65-3	No	Yes	Yes	Yes	Yes	No
Quartz	14808-60-7	No	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

#### Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Quartz	14808-60-7	1%

#### Additional Regulatory Information

#### Component Analysis – Inventory

Component	CAS #	TSCA	CAN	EEC
Limestone	1317-65-3	Yes	NDSL	EINICS
Quartz	14808-60-7	Yes	DSL	EINECS

### Section 16 – Other Information

#### HMIS Labeling

Health – 1

Flammability – 0

Physical Hazard – 0

Personal Protection – B

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme Protective Equipment: Safety glasses, gloves

#### Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration.; NJTSR = New Jersey Trade Secret Registry.

#### Other Information

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