

## Crescent 3, 4, 7, 10, 17, 50

### 1. Identification

**Product name:**

Crescent 3,4,7,10,17,50

**Other means of identification/Synonyms/Common Names:**

Limestone, Aggregate, Fluxing Agent, Ground Calcium Carbonate, Manufactured Sand, Mineral Filler, Screenings

**Recommended use:**

Crescent 3,4,7,10,17,50 is used as a construction material.

**Recommended restrictions:**

None Known

**Manufacturer/Contact info:**

Vulcan Materials Company and its subsidiaries and affiliates  
1200 Urban Center Drive  
Birmingham, AL 35242

**General Phone Number:**

1.866.401.5424

**Emergency Phone Number:**

1.866.401.5424 (3E Company, 24hours/day, 7 Days/week)

**Website:**

www.vulcanmaterials.com

### 2. Hazard(s) Identification

**Physical hazards:**

Not Classified

**Health hazards:**

Specific target organ toxicity, single exposure- Category 3



**Signal word:**

# Warning

**Hazard statement:**

May Cause respiratory irritation (Inhalation).

**Precautionary statement:**

**Prevention**

- Avoid breathing dust.
- Use only outdoors or in a well ventilated area.
- Wear protective gloves, protective clothing, eye protection, and face protection.

**Response**

- IF INHALED: Remove victim to fresh air and keep at rest position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Storage**

- Store locked up.

**Disposal**

- Dispose of contents/container in accordance with all local, regional, national, and international regulations.

**Supplemental information:**

In its natural bulk state, Crescent 3,4,7,10,17,50 is not a known health hazard.

<b>3. Composition/information on ingredients</b>		
Chemical name	CAS number	%
<b>Limestone*</b> -predominantly calcium carbonate	1317-65-3	100
*Essentially crystalline silica free	14808-60-7	<0.1

<b>4. First-aid measures</b>
<b>Inhalation:</b> Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or if breathing is difficult.
<b>Eyes:</b> Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eye(s). Contact a physician if irritation persists or later develops.
<b>Skin:</b> Wash affected areas thoroughly with mild soap and fresh water. Contact a physician if irritation persists.
<b>Ingestion:</b> If person is conscious do not induce vomiting. Give large quantity of water and get medical attention. Never attempt to make an unconscious person drink.
<b>Most important symptoms/effects, acute and delayed:</b> Dust may irritate the eyes, skin, and respiratory tract.
<b>Indication of immediate medical attention and special treatment needed:</b> <b>For emergencies contact 3E Company at 1.866.401.5424 (24 hours/day, 7 days/week).</b>

<b>5. Fire-fighting measures</b>
<b>Suitable extinguishing media:</b> This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media:</b> None known.
<b>Specific hazards arising from the chemical:</b> Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).
<b>Special protective equipment and precautions for firefighters:</b> Use protective equipment appropriate for surrounding materials.
<b>Fire-fighting equipment/instructions:</b> No unusual fire or explosion hazards noted. Not a combustible dust.
<b>Specific methods:</b> The presence of this material in a fire does not hinder the use of any standard extinguishing medium. Use extinguishing medium for surrounding fire.

<b>6. Accidental release measures</b>
<b>Personal precautions, protective equipment and emergency procedures:</b> Persons involved in cleanup processes should first observe precautions (as appropriate) identified in Section 8 of this SDS. <b>For emergencies, contact 3E Company at 1-866-401-5424 (24 hours/day, 7 days/week).</b>
<b>Environmental precautions:</b> Prevent from entering into sewers or drainage systems where it can harden and clog flow.
<b>Methods and materials for containment and cleaning up:</b> Spilled material, where dust is generated, may overexpose cleanup personnel to respirable crystalline silica-containing dust. Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

<b>7. Handling and storage</b>
<b>Precautions for safe handling:</b> Dust may be generated during processing, handling, and storage. Use personal protection and controls identified in Section 8 of this SDS as appropriate.

**Conditions for safe storage, including any incompatibilities:**  
Do not store near food, beverages, or smoking materials.

## 8. Exposure controls/personal protection

**Legend:**

NE = Not Established; PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; REL = Recommended Exposure Limit; OSHA = Occupational Safety and Health Administration; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; ACGIH = American Conference of Governmental Industrial Hygienists

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Limestone (Calcium carbonate)	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup> (total dust as calcium carbonate)	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Particulates not otherwise classified	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup> (total dust) 3 mg/m <sup>3</sup> (respirable fraction)	NE

**Exposure Guidelines:**

Respirable dust levels should be monitored regularly to determine worker exposure levels. Exposure levels in excess of allowable exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation, process enclosure, and enclosed employee workstations.

**Engineering Controls:**

Activities that generate dust require the use of general ventilation, local exhaust and/or wet suppression methods to maintain exposures below allowable exposure limits.

**Eye 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.

**Skin Protection (Protective Gloves/Clothing):**

Use gloves to provide hand protection from abrasion. In dusty conditions, use long sleeve shirts. Wash work clothes after each use.

**Respiratory Protection:**

All respirators must be NIOSH-approved for the exposure levels present. (See NIOSH Respirator Selection Guide). The need for respiratory protection should be evaluated by a qualified safety and health professional. Activities that generate dust require the use of an appropriate dust respirator where dust levels exceed or are likely to exceed allowable exposure limits. Respirator use must comply with applicable MSHA (42 CFR 84) or OSHA (29 CFR 1910.134) standards, which include provisions for a user training program, respirator inspection, repair and cleaning, respirator fit-testing, medical surveillance and other requirements.

## 9. Physical and chemical properties

**Appearance:**

Angular white and tan particles ranging in size from powder to boulders.

<b>Odor:</b> No odor.	<b>PH:</b> Not applicable	<b>Decomposition temperature:</b> Not applicable
<b>Melting point/freezing point:</b> Not applicable	<b>Initial boiling point and boiling range:</b> Not applicable	<b>Flash point:</b> Non-combustible
<b>Evaporation rate:</b> Not applicable	<b>Flammability:</b> Not applicable	<b>Upper/lower flammability or explosive limits:</b> Not applicable
<b>Vapor pressure:</b> Not applicable	<b>Relative density:</b> Not applicable	<b>Solubility:</b> Negligible
<b>Partition coefficient: n-octanol/water.</b> Not applicable	<b>Autoignition temperature:</b> Not applicable	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 2.5

<b>10. Stability and reactivity</b>
<b>Reactivity:</b> Not reactive under normal use.
<b>Chemical stability:</b> Stable under normal temperatures and pressures.
<b>Possibility of hazardous reactions:</b> None under normal use.
<b>Conditions to avoid (e.g., static discharge, shock or vibration):</b> Contact with incompatible materials should be avoided (see below). See Sections 5 and 7 for additional information.
<b>Incompatible materials:</b> Incompatible with acids.
<b>Hazardous decomposition products:</b> None.

<b>11. Toxicological information</b>
<b>Primary Routes of Exposure:</b> Inhalation and contact with the eyes and skin.
<b>Symptoms related to the physical, chemical, toxicological characteristics</b> <b>Inhalation:</b> Dusts may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing sneezing and shortness of breath may occur. Symptoms of bronchitis caused by prolonged or repeated exposure to dust may include (but are not limited to) shortness of breath, greater than normal amounts of mucous in airways; coughing.
<b>Eye Contact:</b> Dust particles can scratch the eye causing tearing, redness, a stinging or burning feeling, or swelling of the eyes with blurred vision.
<b>Skin Contact:</b> Dust particles can scratch and irritate the skin with redness, an itching or burning feeling, swelling of the skin, and/or rash.
<b>Ingestion:</b> Expected to be practically non-toxic. Ingestion of large amounts may cause gastrointestinal irritation including nausea, vomiting, diarrhea, and blockage.
<b>Medical Conditions Aggravated by Exposure:</b> Irritated or broken skin increases chance of contact dermatitis. Pre-existing medical conditions that may be aggravated by exposure include disorders of the eye, skin and lung (including asthma and other breathing disorders). Smoking tobacco will impair the ability of the lungs to clear themselves of dust.
<b>Delayed and immediate effects and also chronic effects from short- and long-term exposure:</b> Prolonged or repeated breathing of dust may cause chronic bronchitis.
<b>Carcinogenicity:</b> Crescent 3,4,7,10,50 is not listed as a carcinogen by IARC, NTP or OSHA.
<b>Additional information on toxicological-effects:</b> <b>Acute toxicity:</b> Not classified No specific data on product. Limestone (calcium carbonate CAS# 471-34-1) has oral LD50 (rats) = 6450 mg/kg.)  <b>Skin corrosion/irritation:</b> Not classified  <b>Serious eye damage/eye irritation:</b> Not classified  <b>Respiratory sensitization:</b> Not classified.  <b>Skin sensitization:</b> Not classified.  <b>Germ cell Mutagenicity:</b> Not classified

<b>Carcinogenicity:</b> Not classified
<b>Reproductive toxicity:</b> Not classified
<b>Specific target organ toxicity - single exposure:</b> May Cause respiratory irritation (Inhalation).
<b>Specific target organ- toxicity – repeated exposure:</b> Not classified
<b>Aspiration toxicity:</b> Not classified (not applicable- solid material)

<b>12. Ecological information</b>
<b>Ecotoxicity (aquatic and terrestrial, where available):</b> Not determined
<b>Persistence and degradability:</b> Not determined
<b>Bioaccumulative potential.</b> Not determined
<b>Mobility in soil.</b> Not determined
<b>Other adverse effects.</b> Not determined

<b>13. Disposal considerations</b>
<b>Safe handling and disposal of waste:</b> Place contaminated materials in appropriate containers and dispose of in a manner consistent with applicable federal, state, and local regulations. Prevent from entering drainage, sewer systems, and unintended bodies of water. It is the responsibility of the user to determine, at the time of disposal, whether product meets criteria for hazardous waste. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

<b>14. Transport information</b>
<b>UN Number:</b> Not regulated.
<b>UN Proper shipping name:</b> Not regulated.
<b>Transport Hazard class:</b> Not applicable.
<b>Packing group, if applicable:</b> Not applicable.
<b>Marine pollutant (Yes/No):</b> Not applicable.

<b>15. Regulatory information</b>
<b>Toxic Substances Control Act (TSCA):</b> The components in this product are listed on the TSCA Inventory or are exempt.
<b>Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):</b> Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III:</b> Section 302 extremely hazardous substances: <u>None</u> Section 311/312 hazard categories: <u>Delayed Health</u> Section 313 reportable ingredients at or above de minimus concentrations: <u>None</u>

**California Proposition 65:**

This product contains a chemical (crystalline silica) known to the State of California to cause cancer.

**State Regulatory Lists:**

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply.

**16. Other information****Disclaimer**

**NO WARRANTY IS MADE, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.**

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**Issue date:**

06/01/2015

**Revision date:**

06/01/2015

**Vulcan Materials Company and its subsidiaries and affiliates  
1200 Urban Center Drive  
Birmingham, AL 35242**



Dear Customer/Contractor:

Please find attached a safety data sheet (SDS) for the product that you purchased from Vulcan Materials Company or one of its subsidiaries or affiliates ("Vulcan"). This is a revised SDS and replaces any previous versions of the material safety data sheet (MSDS) for this product. This SDS is provided to you as required by the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Mine Safety and Health Administration's (MSHA) Hazard Communication Standard (30 CFR Part 47), and/or any applicable state Right-to-Know laws.

It is the responsibility of your company to communicate this information to your employees, customers, and contractors who may use or come in contact with this product. Further, if you distribute this product, Vulcan requests, and applicable laws may require, that you forward this SDS to your customers.

Please direct this information to the person responsible for safety and health compliance at your company. If you have questions about the SDS, please contact Vulcan at 1200 Urban Center Drive, Birmingham, AL 35242 or 1-866-401-5424.

If you need additional copies of this or any other Vulcan SDS or a Spanish language version, you can obtain them at [www.vulcanmaterials.com](http://www.vulcanmaterials.com) or by calling 1-866-401-5424.

La MSDS puede obtenerse en [www.vulcanmaterials.com](http://www.vulcanmaterials.com) o llamando al 1-866-401-5424.

Sincerely,  
Occupational Health Office  
Vulcan Materials Company