

# MATERIAL SAFETY DATA SHEET

## *MAC-325 Calcium Carbonate*

### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY UNDERTAKING

**PRODUCT NAME:** MAC-325 Ground Natural Calcium Carbonate

**MANUFACTURER:** Mid-America Carbonates, LLC  
520 North 30<sup>th</sup> Street  
Suite 23  
Quincy IL 62301  
Tel: 217-222-3500

**EMERGENCY TELEPHONE:** 217-222-3500

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** This is a non-combustible, odorless off-white powder. FDA lists Calcium Carbonate as "generally recognized as safe" or "GRAS."

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:** Dust may cause mechanical irritation to eyes.

**SKIN CONTACT:** Dries skin and mucous membranes.

**INHALATION:** Causes respiratory tract irritation if inhaled.

**CARCINOGENICITY:** This product is not listed as a carcinogen by the IARC, NTP or OSHA. This product contains greater than 0.1% crystalline silica which is listed as a Group 1 carcinogen by IARC, a known carcinogen by NTP, OSHA and as A2 suspected human carcinogen by ACGIH.

**POTENTIAL ENVIRONMENTAL EFFECTS:** Not considered to be harmful to aquatic life.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENTS</u>	<u>CAS NUMBER</u>	<u>WEIGHT %</u>
Limestone	1317-65-3	100
Crystalline Silica, Quartz (impurity)	14808-60-7	0.1

### 4. FIRST AID MEASURES

**EYE CONTACT:** Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.

**SKIN CONTACT:** Wash skin with soap and water.

**INHALATION:** Remove person to fresh air.

**GENERAL ADVICE:** In case of doubt or when symptoms persist, seek medical attention.

## 5. FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Non-combustible. All extinguishing media can be used. Use suitable media appropriate; for the surrounding fire.

**UNSAFE EXTINGUISHING MEDIA:**None.

**SPECIAL EXPOSURE HAZARDS:** None.

**SPECIAL PROTECTIVE EQUIPMENT:** Firefighters should wear protective clothing and use equipment that is suitable for the materials involved in the surrounding fire.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Avoid dust formation. In case of exposure to high levels of airborne dust, wear a personal respirator in compliance with national legislation.

**ENVIRONMENTAL PRECAUTIONS:** This product does not present any particular risk to the environment. Refer to applicable national, state and local regulations prior to washing in drain.

**CLEAN UP METHODS:** Collect mechanically and or by flushing with water. Avoid dry sweeping. Use water spraying or ventilated vacuum system to prevent dust formation.

## 7. HANDLING AND STORAGE

**HANDLING:** Avoid dust formation. Provide appropriate exhaust ventilation in places where dust is formed. In case of insufficient ventilation, wear suitable respiratory equipment.

**STORAGE:** Store in a dry area. Keep containers closed and protect from physical damage.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES:

<u>COMPONENTS</u>	<u>OSHA</u>	<u>ACGIH</u>
Limestone	15 mg/m3 Total Dust 5 mg/m3 Respirable Dust	10 mg/m3 Total Dust
Crystalline Silica, quartz(impurity)	(10 mg/m3)/(%SiO <sub>2</sub> + 2) (respirable); (30 mg/m3)/(%SiO <sub>2</sub> + 2) (Total Dust)	0.05 mg/m3 TWA Respirable Fraction

**ENGINEERING CONTROLS:** Use mechanical ventilation (dilution and local exhaust) to control exposure.

**EYE PROTECTION:** Safety glasses with side shields.

**SKIN AND BODY PROTECTION:** Use suitable protective clothing, gloves and footwear, selected with regard for use conditions and exposure potential.

**HAND PROTECTION:** Wear impervious gloves that are chemical resistant.

**RESPIRATORY PROTECTION:** In case of exposure to high levels of airborne dust, wear a respirator in compliance with national legislation.

**HYGIENE MEASURES:** Handle in accordance with good industrial hygiene and safety practice.

**ENVIRONMENTAL EXPOSURE:** This product does not present any particular risk for the environment. Refer to applicable national, state and local regulations prior to washing in drain.

## **9. PHYSICAL CHEMICAL PROPERTIES**

**pH:** 8.4-10.2, 5% Water Suspension

**DECOMPOSITION TEMPERATURE:** 700-900° C

**APPEARANCE:** Off-White Coarse Powder

**WATER SOLUBILITY:** 1.3 mg/l, 20° C

## **10. STABILITY AND REACTIVITY**

**STABILITY:** Stable under ambient temperature (21°C) and pressure (760 mm Hg).

**CONDITIONS TO AVOID:** None

**MATERIALS TO AVOID:** Strong Acids

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

## **11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY:** LD50 Oral (rat) = 6450 mg/kg

**EYE IRRITATION:** Slightly irritating, not classified.

**SKIN IRRITATION:** May dry skin and mucous membranes.

**SENSITIZATION:** Does not cause sensitization.

**CHRONIC TOXICITY:** No evidence of mutagenic, reproductive or carcinogenic effects.

## **12. ECOLOGICAL INFORMATION**

**ECOTOXICITY:** LC50 (Fish) > 200 mg/l

**MOBILITY:** Inert material.

**PERSISTENCE / DEGRABILITY:** Non-degradable

**BIOACUMULATIVE POTENTIAL:** None

**OTHER ADVERSE EFFECTS:** None known.

## **13. DISPOSAL CONSIDERATIONS**

**DISPOSAL:** Dispose in accordance with local, state and national regulations.

## **14. TRANSPORT INFORMATION**

**DOT:** Not Regulated

**15. REGULATORY INFORMATION**

**NFPA:** HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0

**HMIS:** HEALTH: 1 FLAMMABILITY: 0 PHYSICAL HAZARD: 0

**HARMONIZED TARIFF CODE:** 2836 5000

**CANADA DSL:** Limestone 1317-65-3 Exempt. Naturally Occurring Substance

**US TSCA:** Limestone 1317-65-3

**SARA 313 SUBSTANCES:** None

**SARA 311 / 312 HAZARD:** None

**CERCLA RQ:** None

**CLEAN AIR ACT:** The components of this product are not regulated under any of the following sections of the Clean Air Act: Section 111 Volatile Organic Compounds, Section 112 Hazardous Air Pollutants, Section 112 Statutory Air Pollutants, Section 112 High-Risk Pollutants, Section 112(r) Accidental Release Prevention Substances or Section 602 Ozone Depleting Substance. As a powder product, it would be regulated under Section 109 Criteria Pollutants particulates.

**PROPOSITION 65:** The product contains the following chemicals at levels known to the State of California to cause cancer:, Crystalline Silica.

**CONEG:** We certify that heavy metals defined as lead, mercury, cadmium and hexavalent chromium are not intentionally introduced to this product and with respect to lead, mercury, cadmium and hexavalent chromium, the incidental level of these four metals is less than 100 ppm.

**FDA:** May be used in accordance with the following 21 CFR Sections: 175.105, 175.300, 176.170, 176.180, 177.1210, 178.3297

**16. OTHER INFORMATION**

The information contained in this Safety Data Sheet to the best of Mid-America Carbonates, LLC knowledge and belief as of the date indicated is believed to be accurate and reliable. However, no representation, warranty or guarantee is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product. Nothing contained herein should be construed as a recommendation to use this product in conflict with National or local regulations or existing patents covering any material or its use.

**END OF MATERIAL SAFETY DATA SHEET for MAC-325 Calcium Carbonate**