

SAFETY DATA SHEET

Ref. Material, Fine Particle, Traceable

Date of Preparation: 06/26/2014

SDS #: 004-16835-00MSDS

SECTION 1: IDENTIFICATION

Product Identification: Calcium Carbonate (Limestone), CaCO₃

STCC #: Slurry, 3295956; Dry, 3295960

CAS Number: 1317-65-3

Other Designations: CALCARB 55, HYDROCARB 60, HYDROCARB 90, HYDROCARB HG, HYDROCARB PG-3, OMYAFIL, OMYACARB 1, OMYACARB 3, OMYACARB 3-LS, OMYACARB 4, OMYACARB 5, OMYACARB 6, OMYACARB 12, OMYACARB 140, OMYACARB F, OMYACARB UF

Volumes: None

Recommended Use: Mineral filler and pigment

Restrictions: For laboratory use only.

Supplier Information:

Micromeritics Instrument Corp.

4356 Communications Drive

Norcross, GA 30093-2901 USA

Contact: Human Resources

Phone: (770) 662-3620

Fax: (770) 662-3696

Manufacturer: OMYA, Inc., 61 Main Street, Proctor, Vermont 05765 USA, Phone: (802) 459-3311

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Category 1 Skin sensitization

Signal word: Not applicable

Hazard Statements:

H316: Causes mild skin irritation

H333: May be harmful if inhaled

H320: Causes eye irritation

Pictograms:



Precautionary Statements:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P262: Do not get in eyes, on skin, or on clothing

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P304+341: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS Number	% wt or % vol.
Limestone	1317-65-3	> 98.5
Silica, quartz (naturally occurring component of limestone)	14808-60-7	< 0.3

Trace Impurities:

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Limestone	15 mg/m ³ (total dust)	none estab.	10 mg/m ³ (total dust)	none estab.	none estab.	none estab.	none estab.
Silica, quartz	5 mg/m ³ (resp. dust)	none estab.	0.1 mg/m ³ (resp. dust)	none estab.	none estab.	none estab.	none estab.

SECTION 4: FIRST-AID MEASURES

Inhalation: (dust) Remove to fresh air; obtain medical advice if required

Eye Contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 10 minutes, holding the eyelid(s) open. If irritation persists, obtain medical advice immediately.

Skin Contact: Wash with warm water and mild soap. If irritation occurs, obtain medical advice immediately.

Ingestion: Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. Drink 8 to 10 ounces (240 to 300 ml) of water to dilute material in stomach. Obtain medical advice immediately.

Note to Physicians: Not Applicable

Special Precautions/Procedures: Not Applicable

SECTION 5: FIRE-FIGHTING MEASURES

Flammability Classification: Not Applicable

Extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture: no data available

Advice for firefighters: Wear self-contained breathing apparatus for fire- fighting if necessary.

Further information: no data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures: Measures may be necessary to reduce and protect against airborne dust during cleanup operations, including wetting spilled material and/or use of respiratory protective equipment.

Small Spills: Not Applicable

Large Spills

Containment: Not Applicable

Cleanup: Not Applicable

Regulatory Requirements: Not Applicable

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing vapors, mist or gas. For personal protection see section 8.

Environmental precautions: No special environmental precautions required.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.

Specific end use(s): Apart from the uses mentioned in section 1 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact

Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Splash contact
Material: Nitrile rubber
Minimum layer thickness: 0.11 mm
Break through time: 480 min
Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,
test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: No special environmental precautions required.

Engineering Controls: Not Applicable

Ventilation: Engineering control methods such as (but not limited to) process enclosure and exhaust ventilation may be necessary to control exposures. Supply sufficient replacement air to make up for air removed by exhaust systems.

Administrative Controls: Not Applicable

Safety Stations: Not Applicable

Contaminated Equipment: Not Applicable

Comments: Not Applicable

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Flash Point: Nonflammable

Flash Point Method: Not Applicable

Burning Rate: Not Applicable

Autoignition Temperature: Not Applicable

LEL: Not Applicable

UEL: Not Applicable

Physical State: Not Applicable

Appearance: White powder or slurry

Odor: mild odor with slurry

Odor Threshold: Not Applicable

Vapor Pressure: Not Applicable

Vapor Density (Air=1): Not Applicable

Formula Weight: Not Applicable

Density: 2.7 g/ml (dry)

Specific Gravity (H₂O=1, at 4 °C): 1.81 to 1.94

pH: 9.0 to 9.5 (slurry)

Water Solubility: 1.3 mg/100 g @ 18 °C

Other Solubilities: Not Applicable

Boiling Point: Not Applicable

Freezing/Melting Point: Not Applicable

Viscosity: Not Applicable

Refractive Index: Not Applicable

Surface Tension: Not Applicable

% Volatile: Not Applicable

Evaporation Rate: Not Applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: no data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: no data available

Conditions to avoid: Exposure to moisture may affect product quality.

Incompatible materials: Strong oxidizing agents, Acids, Magnesium, Aluminum

Hazardous decomposition products: Other decomposition products - no data available

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity:

LD50 Oral - rat - 6,450 mg/kg

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation:

Skin - rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation:

Eyes - rabbit

Result: Mild eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: FF9335000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Available

Environmental Fate: Not Available

Environmental Degradation: Not Available

Soil Absorption/Mobility: Not Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal: From a waste perspective, these products are not considered hazardous and may be disposed of as a solid waste in accordance with applicable federal, state, provincial, and local regulations.

Disposal Regulatory Requirements: Not Applicable

Container Cleaning and Disposal: Not Applicable

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101):

Shipping Name: Not regulated

Shipping Symbols: Not Applicable

Hazard Class: Not regulated

ID No.: Not regulated

Packing Group: Not Applicable

Label: Not Applicable

Special Provisions (172.102):

Not Applicable

Packaging Authorizations

a) **Exceptions:** Not Applicable

b) **Non-bulk Packaging:** Not Applicable

c) **Bulk Packaging:** Not Applicable

Quantity Limitations

a) **Passenger, Aircraft, or Railcar:** Not Applicable

b) **Cargo Aircraft Only:** Not Applicable

Vessel Stowage Requirements

a) **Vessel Stowage:** Not Applicable

b) **Other:** Not Applicable

SECTION 15: REGULATORY INFORMATION

EPA Regulations: Not Applicable

OSHA Regulations: Not Applicable

State Regulations: Not Applicable

SECTION 16: OTHER INFORMATION

Prepared By:

Revision Notes: Not Applicable

Additional Hazard Rating Systems: Not Applicable

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