



HUBER ENGINEERED MATERIALS

SAFETY DATA SHEET

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03
Canadian Workplace Hazardous Material Information System (WHMIS) 1988 & 2015
Mexico NOM-018-STPS-2000; NOM-018-STPS-2015
Globally Harmonized System (GHS)

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: Marble Elite® Alpha
Chemical Name Limestone Mixture

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Filler
Functional additive

1.3. Details of the supplier of the safety data sheet

Company: Huber Carbonates, LLC
3100 Cumberland Boulevard, Suite 600
Atlanta, GA 30339 USA

Tel: +1 678 247-7300

Internet www.hubermaterials.com

E-mail hubermaterials@huber.com

1.4. Emergency telephone number CHEMTREC: +1 800 424 9300 or International +1 703 527 3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical Hazards Not classified.

Health Hazards Carcinogenicity category 1A
Specific target organ toxicity (STOT) - repeated exposure, category 2
Lungs

Environmental Hazard Not classified

OSHA Regulatory Status This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 2 of 10

2.2. Label elements

Symbols/Pictogram



Signal Word

Danger

Hazard Statements

May cause cancer
May cause damage to organs through prolonged or repeated exposure if inhaled

Precautionary Statements

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust
Wear protective gloves/protective clothing/eye protection/face protection

Response

IF exposed or concerned: Get medical advice/attention

Storage

Store locked up

Disposal

Dispose of contents/containers in accordance with local regulations

Hazards not otherwise classified None known.

(HNOC)

SECTION 3: Composition/information on ingredients

| Chemical Name | CAS Number | TSCA: United States | Canada (DSL) | Mexico | REACH registration number | OSHA Regulatory Status | WHMIS | Weight-% |
|---------------------------------------|------------|---------------------|--------------|--------|---------------------------|--|------------------------------------|----------|
| Limestone | 1317-65-3 | Y | Y | Y | Exempt | | D2A - Very toxic materials 0.1% | 98.5 |
| Crystalline Silica, quartz (impurity) | 14808-60-7 | Y | Y | Y | Exempt | This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) | D2A - Very toxic materials 0.1% | >0.1 |

Legend

X / Y: Complies - / N: Not Listed , Exempt

SECTION 4: First aid measures

4.1. Description of first aid measures

General Advice

When in doubt or if symptoms are observed, get medical advice.

Eye Contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Skin Contact

Wash with plenty of soap and water.

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 3 of 10

| | |
|--|---|
| Ingestion | Rinse mouth thoroughly with water. |
| Inhalation | If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. |
| Aspiration hazard | Not an expected route of exposure. |
| 4.2. Most important symptoms and effects, both acute and delayed | Signs and symptoms may include coughing, gasping, choking and difficulty breathing. |
| 4.3. Indication of any immediate medical attention and special treatment needed | IF exposed or concerned: Get medical advice/attention. Treatment should be symptomatic and supportive. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. |

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media None known.

5.2. Special hazards arising from the substance or mixture

Do not breathe dust.

5.3. Advice for firefighters

Special protective equipment for firefighters Wear a self-contained breathing apparatus and chemical protective clothing.

Fire-fighting measures In case of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unauthorized personnel away. Use personal protection recommended in Section 8. Avoid dust formation. Ensure adequate ventilation.

For non-emergency personnel Keep unauthorized personnel away.

For emergency responders Keep unauthorized personnel away. Use personal protection recommended in Section 8.

6.2. Environmental precautions

Avoid runoff to waterways and sewers.

6.3. Methods and material for containment and cleaning up

Large Spill: Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Small Spill: Vacuum or sweep material and place in a disposal container.

6.4. Reference to other sections

Section 8: Exposure controls and personal protection. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid exposure - obtain special instructions before use. Ensure adequate ventilation. Do not breathe dust. Use personal protective equipment as required.

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 4 of 10

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities Keep container tightly closed and dry. Store away from incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

Limestone

OSHA - TWA 5 mg/m³ TWA (respirable fraction)
15 mg/m³ TWA (total dust)

OSHA - Final PELs - TWA 15 mg/m³ TWA
Canada - Alberta - OEL - TWA 10 mg/m³
Canada - British Columbia - OEL-
STELs 20 mg/m³

Crystalline Silica, quartz (impurity)

OSHA - TWA OSHA Action level is: 0.025 mg/m³.
OSHA TWA is: 0.05 mg/m³.

ACGIH TLV-TWA 8-hr respirable: 0.025 mg/m³
NIOSH A2 Potential occupational carcinogen
NIOSH - TWAs 0.05 mg/m³
Canada - Alberta - OEL - TWA 0.025 mg/m³ TWA (respirable particulate)
Canada - British Columbia - OEL -
Designated Substances ACGIH Category A2 - Suspected Human Carcinogen
IARC Category 1 - Human Carcinogen
Canada - Manitoba - OEL - TWA 0.025 mg/m³ TWA (respirable fraction)
Canada - Nova Scotia - OEL - TWA 0.025 mg/m³ TWA (respirable fraction)
Canada - Prince Edward Island - OEL -
TWA 0.025 mg/m³ TWA (respirable fraction)
Mexico OEL Data - TWA Mexican Carcinogen Category: A2 (Suspected Human Carcinogen)
TWA (VLE-PPT): 0.025 mg/m³.

Biological Limit Values: No information available

8.2. Exposure controls

Engineering Measures Provide a good standard of controlled ventilation (10 to 15 air changes per hour).

Personal protective equipment

Eye/Face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection Wear suitable protective clothing.

Hand protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Hand Protection For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Thermal hazards None known. Wear suitable protective clothing.

Issue Date: 01/Jun/2015
 Print Date: 13/Nov/2016

Revision Number: 1.2
 Page 5 of 10

Hygiene Measures

Follow general hygiene considerations recognized as common good workplace practices. The worker should wash daily at the end of each work shift, and prior to eating, drinking, smoking, etc.

Environmental Exposure Controls

Dispose of in accordance with local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties**Appearance:**

| | |
|---------------------------------------|--------------------------------|
| Physical State | Solid |
| Color | White |
| Odor | Odorless |
| Odor Threshold | No information available |
| pH: | 8.4 - 10.2 5% Water suspension |
| Melting point / Freezing point | Not applicable |
| Boiling Point | Not applicable |
| Flash Point: | Not applicable. |
| Evaporation Rate | Not applicable. |
| Flammability (solid, gas) | Not applicable |
| Upper flammability limit: | |
| Lower flammability limit: | |
| Vapor Pressure | Not applicable |
| Vapor Density | Not applicable |
| Relative Density | 2.7 g/cm ³ @ 20°C |
| Water Solubility | 1.3 g/l, 20° C |
| Solubility in other solvents | No information available |
| Partition coefficient | Not applicable |
| Autoignition Temperature | Not applicable |
| Decomposition Temperature | 1292 - 1652 °F (700 - 900 °C) |
| Viscosity | Not applicable. |
| Explosive Properties | Not applicable |
| Oxidizing Properties | Not applicable |

9.2. Other information

VOC Content (%) Not applicable

SECTION 10: Stability and reactivity

| | |
|---|--------------------------|
| 10.1. Reactivity | None |
| 10.2. Chemical stability | Stable |
| 10.3. Possibility of hazardous reactions | No specific hazard known |
| 10.4. Conditions to avoid | Incompatible materials |
| 10.5. Incompatible materials | Strong acids |
| 10.6. Hazardous decomposition products | None known |

SECTION 11: Toxicological information

General Information Users are advised to consider national Occupational Exposure Limits or other equivalent values.

Safety Data Sheet Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 6 of 10

Information on Likely Routes of Exposure

| | |
|---|--|
| Inhalation | Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis) |
| Eyes | Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation |
| Ingestion | Ingestion is not a likely route of exposure |
| Aspiration hazard | Not an expected route of exposure. |
| Symptoms related to the physical, chemical and toxicological characteristics | Contact with dust can cause mechanical irritation or drying of the skin. Dust may cause mechanical irritation to eyes. May cause irritation. mucous membrane. respiratory tract. |

11.1. Information on toxicological effects

Limestone

Oral LD50 6450 mg/kg Rat

Crystalline Silica, quartz (impurity)

Oral LD50 500 mg/kg Rat Mouse

| |
|--|
| ACGIH Group 2A - Probably Carcinogenic to Humans |
| IARC Group 1 - Carcinogenic to Humans |

| | |
|---|--|
| Acute Toxicity | Users are advised to consider national Occupational Exposure Limits or other equivalent values |
| Chronic Toxicity | Potential occupational carcinogen. |
| Chronic Effects | Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis). |
| Respiratory Sensitization | Causes respiratory tract irritation if inhaled. |
| Serious eye damage/eye irritation | Dust may cause mechanical irritation to eyes |
| Skin Corrosion/Irritation | Prolonged or repeated contact may dry skin and cause irritation |
| Skin Sensitization | Prolonged or repeated contact may dry skin and cause irritation |
| Germ cell mutagenicity | No information available. |
| Reproductive Effects | No information available. |
| Reproductive toxicity: | No information available. |
| Carcinogenicity | Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1). |
| Specific target organ toxicity - Single exposure | May cause respiratory irritation. |

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015

Print Date: 13/Nov/2016

Revision Number: 1.2

Page 7 of 10

Specific target organ toxicity - Repeated exposure May cause damage to organs through prolonged or repeated exposure if inhaled. Lungs.

Mixture versus substance information No information available.

SECTION 12: Ecological information

12.1. Ecotoxicity Not considered to be harmful to aquatic life.

Limestone

CAS Number 1317-65-3

Crystalline Silica, quartz (impurity)

CAS Number 14808-60-7

12.2. Persistence and degradability Not readily biodegradable.

12.3. Bioaccumulative potential None.

Partition coefficient Not applicable

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil None.

12.5. Results of PBT and vPvB assessment This substance does not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects None known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

Waste codes Waste codes should be assigned by the user based on the application for which the product was used

Limestone

European Waste Catalog 10130414

SECTION 14: Transport information

Mode of Transportation (Road, Water, Air, Rail)

| | |
|--------------------|---------------|
| TDG -Canada | Not regulated |
| DOT | Not regulated |
| ADR | Not regulated |
| RID | Not regulated |
| ADN | Not regulated |
| IATA | Not regulated |
| IMDG/IMO | Not regulated |
| ICAO | Not regulated |

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 8 of 10

- 14.1. UN number None
- 14.2. UN proper shipping name None
- 14.3. Transport hazard class(es) None
- 14.4. Packing group None
- 14.5. Environmental hazards No
- 14.6. Special precautions for user Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable

SECTION 15: Regulatory information

Global Inventories

| Chemical Name | CAS Number | EC No | REACH registration number | Australia (AICS) | Canada (DSL) | China (IECSC) | Japan | South Korea (KECL) | Mexico | New Zealand | Philippines (PICCS) | Taiwan | TSCA: United States |
|---------------------------------------|------------|-----------|---------------------------|------------------|--------------|---------------|---------|--------------------|--------|-------------|---------------------|--------|---------------------|
| Limestone | 1317-65-3 | 215-279-6 | Exempt | Y | Y | Y | (1)-122 | KE-21996 | Y | Y | Y | Y | Y |
| Crystalline Silica, quartz (impurity) | 14808-60-7 | 238-878-4 | Exempt | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |

Legend

X / Y: Complies - / N: Not Listed Exempt

US Federal Regulations

EPA

CERCLA/SARA RQ

SARA Section 302 Extremely Hazardous Substances (EHS)

Not listed

SARA Section 304 CERCLA Hazardous Substances (RQ)

Not listed

SARA 311/312 Hazardous Categorization

Hazardous chemical Immediate health effects Delayed health effects

CAA (Clean Air Act)

Not regulated

CWA (Clean Water Act)

Not listed

U.S. State Right-to-Know Regulations

| Chemical Name | CAS Number | California Proposition 65 | Massachusetts | Minnesota | New Jersey | Pennsylvania |
|---------------------------------------|------------|---------------------------|---------------|-----------|------------|--------------|
| Limestone | 1317-65-3 | | Y | Y | | Y |
| Crystalline Silica, quartz (impurity) | 14808-60-7 | Y | Y | Y | | Y |

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product contains a component currently on the California list of Known Carcinogens and Reproductive

HUBER

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 9 of 10

Toxins. Respirable crystalline silica is known to the State of California to cause cancer.

CANADA

WHMIS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

| Chemical Name | WHMIS Hazard Class |
|---------------------------------------|--------------------|
| Limestone | D2A |
| Crystalline Silica, quartz (impurity) | D2A |

Safety Data Sheet

Marble Elite® Alpha

Issue Date: 01/Jun/2015
Print Date: 13/Nov/2016

Revision Number: 1.2
Page 10 of 10

SECTION 16: Other information

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| Prepared by | Huber Engineered Materials (HEM) Global Regulatory Affairs regulatory.affairs@huber.com |
| Issue Date: Print Date: | 01/Jun/2015 13/Nov/2016 |
| Reason for Version | OSHA (Occupational Safety and Health Administration of the US Department of Labor). May 25, 2012. |
| Training Advice | Do not handle until all safety precautions have been read and understood. |
| Abbreviations and acronyms | <p>ACRONYMS: INTERNATIONAL:</p> <p>ADR: International Carriage of Dangerous Goods by Road.</p> <p>BOD: Biochemical Oxygen Demand.</p> <p>CLP: Classification, Labeling and Packaging.</p> <p>COD: Chemical Oxygen Demand.</p> <p>DN(M)EL : Derived Non(Minimum) Effect Level - PNEC : Predicted No Effect Level</p> <p>D.O.T.: U.S. Department of Transportation.</p> <p>ICAO International Civil Aviation Organization.</p> <p>IATA: International Air Transport Association.</p> <p>IARC: International Agency for Research on Cancer.</p> <p>IMO: International Maritime Organization.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>INCI: International Nomenclature of Cosmetic Ingredients.</p> <p>OES: Occupational Exposure Standard.</p> <p>OR: EU REACH Only Representative.</p> <p>PPE: Personal protection equipment.</p> <p>RID: International Carriage by Rail.</p> <p>SCBA: self contained breathing apparatus.</p> <p>STEL (Short Term Exposure Limit) SVHC: Substances of Very High Concern for Authorization</p> <p>TLV-STEL: Threshold Limit Values - Short Term Exposure Limits.</p> <p>TWA: Time Weighted Averages.</p> <p>North America:</p> <p>CERCLA RQ: US EPA Comprehensive Environmental, Response, and Liability Act Reportable Quantity.</p> <p>CERCLA: US EPA Comprehensive Environmental Response, Compensation, and Liability Act of 1980.</p> <p>CONEG: Conference of North Eastern Governors.</p> <p>NIOSH/MSHA - National Institute for Occupational Safety and Health/Mine Safety and Health Administration.</p> <p>SARA: Superfund Amendments and Reauthorization Act (US EPA).</p> <p>TDG: Canada Transport of Dangerous Goods.</p> <p>WHMIS: Canada's Workplace Hazardous Materials Information System.</p> |

Disclaimer The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

End of Safety Data Sheet