



HUBER ENGINEERED MATERIALS

Safety Data Sheet

Marble Elite® Alpha

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
COMMISSION REGULATION (EU) No. 2015/830

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

1.1. Product identifier

Product Name: Marble Elite® Alpha

Pure substance/mixture Substance

Chemical Name	CAS Number	EC No	REACH registration number	(CLP) Regulation (EC 1272/2008)	TSCA: United States	Weight-%
Limestone	1317-65-3	215-279-6	Exempt	Not classified	Y	97 - 100
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2 : Respiratory system	Y	0.1 - 0.3

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: J.M. Huber Corporation
3100 Cumberland Boulevard, Suite 600
Atlanta, GA 30339 USA
Tel: +1 678 247-7300

E-mail hubermaterials@huber.com

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

Poison control center phone number National Anti-Poison Center UK: +44 844 892 0111 (National Poisons Information Service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

(CLP) Regulation (EC 1272/2008)

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Hazards identification**Physical Hazard**

Not classified

Health Hazards

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

Environmental Hazard

Not classified

2.2. Label elements**Symbols/Pictograms****Signal Word**

Danger

Hazard Statements

H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements**Prevention**

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust
P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Storage

P405 - Store locked up

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Additional Information:

Not applicable.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

Chemical Name	CAS Number	EC No	REACH registration number	(CLP) Regulation (EC 1272/2008)	Annex	TSCA: United States	Weight-%
Limestone	1317-65-3	215-279-6	Exempt	Not classified	--	Y	97 - 100
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Carcinogenicity category 1A Specific target	--	Y	0.1 - 0.3

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				organ toxicity (STOT) - repeated exposure, category 2 : Respiratory system			
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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.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water.
Aspiration hazard	Not an expected route of exposure.
Notes to Physician	Treat symptomatically.

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

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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
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
ACGIH
OSHA

10 mg/m³ Total Dust, 3 mg/m³ Respirable Dust
5 mg/m³ TWA (respirable fraction)

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15 mg/m³ TWA (total dust)

France	10 mg/m ³
Italy	10 mg/m ³
United Kingdom	10 mg/m ³ TWA (inhalable dust); 4 mg/m ³ TWA (respirable dust)
Crystalline Silica, quartz (impurity)	
ACGIH	TWA: 0.025 mg/m ³ respirable fraction
OSHA	TWA: 0.05 mg/m ³ OSHA Action level: 0.025 mg/m ³
NIOSH	0.05 mg/m ³ TWA (respirable dust)
Austria	MAK: 0,15 mg/m ³ (respirable dust)
Belgium	TWA: 0,1 mg/m ³ (respirable dust)
Bulgaria	TWA: 0,07 mg/m ³ (respirable fraction)
Croatia	MAC: 0,1 mg/m ³
Czech Republic	TWA: 0,1 mg/m ³ (respirable dust)
Denmark	TLV 0,3 mg/m ³ (total) 0,1 mg/m ³ (respirable)
Estonia	TWA: 0,1 mg/m ³ (respirable dust)
Finland	TWA: 0,05 mg/m ³ (respirable)
France	VME: 0,1 mg/m ³ (restrictive limit, alveolar fraction)
Hungary	TWA: 0,15 mg/m ³ (respirable)
Iceland	TWA: 0,3 mg/m ³ (total dust) 0,1 mg/m ³ (respirable dust)
Ireland	TWA: 0,1 mg/m ³ (respirable dust)
Italy	TWA: 0,025 mg/m ³ (respirable fraction)
Italy	TWA: 0,025 mg/m ³ (respirable fraction)
Lithuania	TWA: 0,1 mg/m ³ (respirable fraction)
Netherlands	TWA: 0,075 mg/m ³ (respirable dust)
Norway	TLV: 0,3 mg/m ³ (total dust) 0,1 mg/m ³ (respirable dust)
Poland	TWA: 2 mg/m ³ (total dust) 0,3 mg/m ³ (respirable dust)
Portugal	TWA: 0,025 mg/m ³ (respirable fraction)
Slovakia	TWA: 0,1 mg/m ³ (respirable fraction)
Slovenia	TWA: 0,15 mg/m ³ (respirable fraction)
Spain	VLA-ED TWA: 0,1 mg/m ³ (respirable fraction)
Sweden	TWA: 0,1 mg/m ³ (respirable dust)
Switzerland	TWA: 1, 15 mg/m ³ (respirable dust)
United Kingdom	TWA: 0,1 mg/m ³ (respirable)

Recommended monitoring procedures Refer also to national guidance documents for information on currently recommended monitoring procedures

Biological Limit Values: No information available

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) 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

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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.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	None known.
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.

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Explosive Properties	Not applicable
Oxidizing Properties	Not applicable
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.
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Information on Likely Routes of Exposure

Inhalation	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis)
Skin	Contact with dust can cause mechanical irritation or drying of the skin
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

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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	Based on available data, the classification criteria are not met
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met
Skin Corrosion/Irritation	Based on available data, the classification criteria are not met
Skin Sensitization	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met
Reproductive Effects	Based on available data, the classification criteria are not met.
Carcinogenicity	Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).
Target Organ Effects	Respiratory system.
Specific target organ toxicity - Single exposure	No information available.
Specific target organ toxicity - Repeated exposure	May cause damage to organs through prolonged or repeated exposure if inhaled. Lungs.

SECTION 12: Ecological information

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

Limestone

WGK Classification (VwVwS) 317: WGK: nwg

Crystalline Silica, quartz (impurity)

WGK Classification (VwVwS) 849 WGK: nwg

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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
WGK Classification (VwVwS) 317: WGK: nwg

Crystalline Silica, quartz (impurity)

WGK Classification (VwVwS) 849 WGK: nwg

SECTION 14: Transport information

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

TDG -Canada	Not regulated
DOT	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated
ICAO	Not regulated

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- 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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Global Inventories

Pure substance/mixture Substance

Chemical Name	CAS Number	EC No	REACH registration number	Australia (AICS)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Limestone	1317-65-3	215-279-6	Exempt	Y	Y	Y	(1)-122(E NCS)(ISH L)	KE-21996	Y	Y	Y	Y	Y
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(E NCS)(ISH L)	KE-29983	Y	Y	Y	Y	Y

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

National Regulations

Germany

Limestone

WGK Classification (VwVwS) 317: WGK: nwg

Crystalline Silica, quartz (impurity)

WGK Classification (VwVwS) 849 WGK: nwg

15.2. Chemical safety assessment

SECTION 16: Other information

Reason for Revision

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 & COMMISSION REGULATION (EU) No. 2015/830

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Prepared by Huber Engineered Materials Global Regulatory Affairs
email: regulatory.affairs@huber.com.

(CLP) Regulation (EC 1272/2008)

Labeling

Symbols/Pictograms



Signal Word

Danger

Hazard Statements

H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure

Training Advice

Do not handle until all safety precautions have been read and understood.

Abbreviations and acronyms

International Agency for Research on Cancer (IARC)
International Air Transport Association (IATA)
International Maritime Dangerous Goods (IMDG)
International Uniform Chemical Information Database (IUCLID)
Workplace Hazardous Materials Information System (WHMIS) status and classification
EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification
DOT (Department of Transportation)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
TWA - Time-Weighted Average
The Classification, Labeling and Packaging of Substances and Mixtures (CLP) Regulation (EC 1272/2008)
PPE - Personal Protection Equipment
NIOSH - National Institute for Occupational Safety and Health
TDG (Transport of Dangerous Goods) Canada
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)
Reportable Quantity (RQ) (RQ/% in mixture)
STEL - Short Term Exposure Limit
TLV® - Threshold Limit Value
Derived No Effect Level (DNEL)
SVHC: Substances of Very High Concern for Authorization:
Land transport (ADR/RID)
Biochemical oxygen demand (BOD)
Chemical oxygen demand (COD)
ICAO (air)
(IMDG) International Maritime Dangerous Goods
Positive Pressure Self-Contained Breathing Apparatus (SCBA)
Predicted No Effect Concentration (PNEC)
Globally Harmonized System (GHS)

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

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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