



HUBER ENGINEERED MATERIALS

# Safety Data Sheet

## Hubercarb® Q4

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006  
COMMISSION REGULATION (EU) No. 2020/878

Issue Date 20/Mar/2024  
Print Date 07/May/2024

Revision Number 1.3.4  
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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Name:** Hubercarb® Q4  
**Pure substance/mixture** Substance

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

**Recommended Use** Filler Functional additive  
**Uses advised against** None known.

#### 1.3. Details of the supplier of the safety data sheet

**Manufacturer** Huber Carbonates, LLC  
3100 Cumberland Boulevard, Suite 600  
Atlanta, GA 30339 USA  
Tel: +1 678 247-7300  
**Internet** www.hubermaterials.com  
**Contact 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)

**Hazards identification**  
**Physical Hazard** Not classified

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**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

**3.1. Substance**

Substance

Chemical Name	CAS Number	EC No	(CLP) Regulation (EC 1272/2008)	Weight-%
Limestone	1317-65-3	215-279-6	Not classified.	97 - 100
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Carcinogenicity category 1A. Specific target organ toxicity (STOT) - repeated exposure, category 2.	0.2 - 2

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Respiratory system.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General Advice</b>	When in doubt or if symptoms are observed, get medical advice.
<b>Eye Contact</b>	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash with plenty of soap and water.
<b>Inhalation</b>	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>Ingestion</b>	Rinse mouth thoroughly with water.
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>Notes to Physician</b>	Treat symptomatically.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Signs and symptoms may include coughing, gasping, choking and difficulty breathing.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	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 (CO<sub>2</sub>).

#### 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

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**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/m<sup>3</sup> Total Dust, 3 mg/m<sup>3</sup> Respirable Dust5 mg/m<sup>3</sup> TWA (respirable fraction)

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

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

**Biological Limit Values** No information available

**DNEL (Derived No Effect Level)** No information available

**PNEC (Predicted No Effect Concentration)** No information available

### 8.2. Exposure controls

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

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### Personal protective equipment

<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and Body Protection</b>	Wear suitable protective clothing.
<b>Hand Protection</b>	For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.
<b>Respiratory Protection</b>	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
<b>Thermal hazards</b>	None known.
<b>Hygiene Measures</b>	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
<b>Environmental Exposure Controls</b>	Dispose of in accordance with local regulations

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance:

<b>Physical State</b>	Solid
<b>Color</b>	White
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH:</b>	8.4-10.2 (5% water suspension)
<b>Melting point / Freezing point</b>	Not applicable
<b>Boiling Point</b>	Not applicable
<b>Freezing Point</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Evaporation Rate</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper flammability limit:</b>	--
<b>Lower flammability limit:</b>	--
<b>Vapor Pressure</b>	Not applicable
<b>Vapor Density</b>	Not applicable
<b>Density</b>	No data available
<b>Relative Density</b>	2.7 g/cm <sup>3</sup> @ 20°C
<b>Water Solubility</b>	0.01 g/l (Practically insoluble) @ 20°C
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	Not applicable
<b>Autoignition Temperature</b>	Not applicable
<b>Decomposition Temperature</b>	1292 - 1652 °F (700 - 900 °C)
<b>Viscosity</b>	Not applicable.

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<b>Kinematic viscosity</b>	Not applicable
<b>Explosive Properties</b>	Not applicable
<b>Oxidizing Properties</b>	Not applicable
<b>Particle Size</b>	No information available
<b>VOC Content (%)</b>	Not applicable

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

Not applicable

### 9.2.2. Other safety characteristics

Not applicable

## SECTION 10: Stability and reactivity

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

## SECTION 11: Toxicological information

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

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Limestone

Oral LD50 6450 mg/kg Rat

#### Crystalline Silica, quartz (impurity)

LD50s and LC50s 500 mg/kg Oral LD50 Rat

Oral LD50 500 mg/kg Rat Mouse

**ACGIH** Group 2A - Probably Carcinogenic to Humans

**IARC** Group 1 - Carcinogenic to Humans

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<b>Acute Toxicity</b>	Users are advised to consider national Occupational Exposure Limits or other equivalent values
<b>Chronic Toxicity</b>	Potential occupational carcinogen.
<b>Chronic Effects</b>	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis).
<b>Respiratory Sensitization</b>	Based on available data, the classification criteria are not met
<b>Serious eye damage/eye irritation</b>	Based on available data, the classification criteria are not met
<b>Skin Corrosion/Irritation</b>	Based on available data, the classification criteria are not met
<b>Skin Sensitization</b>	Based on available data, the classification criteria are not met
<b>Mutagenicity</b>	Based on available data, the classification criteria are not met
<b>Reproductive Effects</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Crystalline silica (quartz) has been classified by the International Agency for Research on Cancer (IARC) as a known human carcinogen (Group 1).
<b>Target Organ Effects</b>	Respiratory system.
<b>Specific target organ toxicity - Single exposure</b>	No information available.
<b>Specific target organ toxicity - Repeated exposure</b>	May cause damage to organs through prolonged or repeated exposure if inhaled. Lungs.
<b>Information on Likely Routes of Exposure</b>	
<b>Inhalation</b>	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis)
<b>Ingestion</b>	Ingestion is not a likely route of exposure
<b>Skin</b>	Prolonged or repeated contact may dry skin and cause irritation
<b>Eyes</b>	Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation
<b>Aspiration hazard</b>	Not an expected route of exposure.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	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.

### 11.2. Information on other hazards



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**11.2.1. Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors

**11.2.2. Other information** Not applicable

## SECTION 12: Ecological information

**12.1. Toxicity** Not considered to be harmful to aquatic life

### Limestone

**WGK Classification (AwSV)** 317 WGK: nwg

### Crystalline Silica, quartz (impurity)

**WGK Classification (AwSV)** 849 WGK: nwg

**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. Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors

## 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

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## Limestone

European Waste Catalog 10130414

WGK Classification (AwSV) 317 WGK: nwg

## Crystalline Silica, quartz (impurity)

WGK Classification (AwSV) 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

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. Maritime transport in bulk according to IMO instruments  
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	Australia (AIC)	Canada (DSL)	China (IECSC)	Japan	S. Korea (KECL)	Mexico	Thailand (TECI)	New Zealand	Philippines (PICCS)	Taiwan	TSCA: United States
Limestone	1317-65-3	215-279-6	Y	Y (NDSL)	Y	(1)-122(E NCS)(ISH L)	KE-21996	Y	55-1-01411	Y	Y	Y	A
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Y	Y	Y	(1)-548(E NCS)(ISH L)	KE-29983	Y	55-1-01941	Y	Y	Y	A

X / Y: Complies ; A: Active ; - / N: Exempt / Not Listed

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**REACH No.** \_\_\_\_\_**Limestone**

EU REACH registration number Exempt

**Crystalline Silica, quartz (impurity)**

EU REACH registration number Exempt

**Germany**

Not considered to be harmful to aquatic life

**Limestone**

WGK Classification (AwSV) 317 WGK: nwg

**Crystalline Silica, quartz (impurity)**

WGK Classification (AwSV) 849 WGK: nwg

**15.2. Chemical safety assessment**

Not required

## SECTION 16: Other information

**Reason for Revision**

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 &amp; COMMISSION REGULATION (EU) No. 2020/878

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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.

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### Training Advice

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

### Abbreviations and acronyms

IARC (International Agency for Research on Cancer)  
IUCLID (International Uniform Chemical Information Database)  
WHMIS (Workplace Hazardous Materials Information System)  
OSHA (Occupational Safety and Health Administration of the US Department of Labor)  
TWA (Time-Weighted Average)  
CLP (The Classification, Labeling and Packaging of Substances and Mixtures Regulation (EC 1272/2008))  
PPE (Personal Protection Equipment)  
NIOSH (National Institute for Occupational Safety and Health)  
CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act)  
RQ (Reportable Quantity) (RQ/% in mixture)  
STEL (Short Term Exposure Limit)  
TLV® (Threshold Limit Value)  
DNEL (Derived No Effect Level)  
SVHC (Substances of Very High Concern)  
BOD (Biochemical oxygen demand)  
COD (Chemical oxygen demand)  
ICAO (International Civil Aviation Organization)  
IMDG (International Maritime Dangerous Goods)  
ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail)  
IATA (International Air Transport Association)  
IMDG (International Maritime Dangerous Goods)  
DOT (Department of Transportation)  
TDG (Transport of Dangerous Goods) Canada  
PNEC (Predicted No Effect Concentration)  
SCBA (Self-Contained Breathing Apparatus) Positive Pressure  
GHS (Globally Harmonized System)  
TSCA (Toxic Substances Control Act)

### 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**