



HUBER ENGINEERED MATERIALS

# Safety Data Sheet

## Hubercarb® G3

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

Issue Date: 25/Jun/2021  
Print Date: 25/Jun/2021

Revision Number: 1.3.1  
Page 1 of 11

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

#### 1.1. Product identifier

Product Name: Hubercarb® G3

Pure substance/mixture: Substance

Chemical Name	CAS Number	EC No	REACH registration number	(CLP) Regulation (EC 1272/2008)	Weight-%
Limestone	1317-65-3	215-279-6	Exempt	Not classified	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	0.1 - 0.3

#### 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

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

Issue Date: 25/Jun/2021  
 Print Date: 25/Jun/2021

Revision Number: 1.3.1  
 Page 2 of 11

## (CLP) Regulation (EC 1272/2008)

### Hazards identification

<b>Physical Hazard</b>	Not classified
<b>Health Hazards</b>	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2 Lungs
<b>Environmental Hazard</b>	Not classified

### 2.2. Label elements

#### Symbols/Pictograms



<b>Signal Word</b>	Danger
<b>Hazard Statements</b>	H350 - May cause cancer H373 - May cause damage to organs through prolonged or repeated exposure

### Precautionary Statements

<b>Prevention</b>	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
<b>Response</b>	P308 + P313 - IF exposed or concerned: Get medical advice/attention
<b>Storage</b>	P405 - Store locked up
<b>Disposal</b>	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	Weight-%
Limestone	1317-65-3	215-279-6	Exempt	Not classified	--	97 - 100
Crystalline Silica, quartz	14808-60-7	238-878-4	Exempt	Carcinogenicity	--	0.1 - 0.3

Issue Date: 25/Jun/2021  
 Print Date: 25/Jun/2021

Revision Number: 1.3.1  
 Page 3 of 11

(impurity)				category 1A Specific target 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

<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 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 Dust  
5 mg/m<sup>3</sup> TWA (respirable fraction)

	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

**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**

Issue Date: 25/Jun/2021  
 Print Date: 25/Jun/2021

Revision Number: 1.3.1  
 Page 6 of 11

<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>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>Relative Density</b>	2.7 g/cm <sup>3</sup> @ 20°C
<b>Water Solubility</b>	1.3 g/l, 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.
<b>Explosive Properties</b>	Not applicable
<b>Oxidizing Properties</b>	Not applicable
<b>VOC Content (%)</b>	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.

**Information on Likely Routes of Exposure**

<b>Inhalation</b>	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis)
<b>Skin</b>	Contact with dust can cause mechanical irritation or drying of the skin
<b>Eyes</b>	Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation
<b>Ingestion</b>	Ingestion is not a likely route of exposure
<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.

**11.1. Information on toxicological effects****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

Issue Date: 25/Jun/2021  
 Print Date: 25/Jun/2021

Revision Number: 1.3.1  
 Page 8 of 11

<b>ACGIH IARC</b>	Group 2A - Probably Carcinogenic to Humans Group 1 - Carcinogenic to Humans
<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.

## SECTION 12: Ecological information

**12.1. Ecotoxicity** 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.



Issue Date: 25/Jun/2021  
 Print Date: 25/Jun/2021

Revision Number: 1.3.1  
 Page 9 of 11

<b>Partition coefficient</b>	Not applicable
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	None.
<b>12.5. Results of PBT and vPvB assessment</b>	This substance does not meet the criteria for classification as PBT or vPvB.
<b>12.6. Other adverse effects</b>	None known

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Disposal Methods</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Waste codes</b>	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 (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

<b>14.1. UN number</b>	None
<b>14.2. UN proper shipping name</b>	None

Issue Date: 25/Jun/2021  
Print Date: 25/Jun/2021

Revision Number: 1.3.1  
Page 10 of 11

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 (AIC)	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)(ISHL)	KE-21996	Y	Y	Y	Y	A
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(E NCS)(ISHL)	KE-29983	Y	Y	Y	Y	A

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

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

## 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

Issue Date:

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HUBER

# Safety Data Sheet

Hubercarb® G3

Issue Date: 25/Jun/2021  
Print Date: 25/Jun/2021

Revision Number: 1.3.1  
Page 11 of 11

(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 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**