



HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® G3

Prepared in accordance with GB/T 16483-2008, GB/T 24774-2009, GB 13690 – 2009, GB/T 17519–2013
GHS (Globally Harmonized System)

Issue Date 16/Feb/2024
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Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Hubercarb® G3
Pure substance/mixture	Substance
<u>Limestone</u>	
CAS Number	1317-65-3
Weight-%	97 - 100
<u>Crystalline Silica, quartz (impurity)</u>	
CAS Number	14808-60-7
Weight-%	0.1 - 0.3
Recommended Use	Filler Functional additive
Uses advised against	None known
Company:	Huber Carbonates, LLC 3100 Cumberland Boulevard, Suite 600 Atlanta, GA 30339 USA Tel: +1 678 247-7300
Emergency Telephone	CHEMTREC China: 4001-204937 (Mandarin) Local call: +86 532 5879 2008
E-mail	hubermaterials@huber.com
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Section 2: HAZARDS IDENTIFICATION

GHS Classification	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2
Physical Hazard	Not classified
Health Hazard	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2 Respiratory system Causes damage to organs through prolonged or repeated exposure
Environmental Hazard	Not classified

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Label Elements

Symbols/Pictograms



Signal Word

Danger

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

Spills and Leaks

Collect spillage

Storage

Store locked up

Disposal

Dispose in accordance with local, state and national regulations

Additional Information: Not applicable.

Hazards not otherwise classified (HNOC) None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture

Substance

Chemical Name	CAS Number	China (IECSC)	China classification	TSCA: United States	EU REACH registration number	Weight-%
Limestone	1317-65-3	Y		A	Exempt	97 - 100
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Carcinogenicity category 1A Respiratory system	A	Exempt	0.1 - 0.3

Section 4: FIRST AID MEASURES

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General Advice	In case of doubt or when symptoms persist, seek medical attention.
Eye Contact	Hold eyelids apart and flush eyes with a steady, gentle stream of water for several minutes.
Skin Contact	Wash skin with soap and water
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing
Notes to Physician	Treat symptomatically
Personal Protective Equipment For First Aid Responders	Wear suitable protective clothing IF exposed or concerned: Get medical advice/attention
Expected acute symptoms and delayed symptoms	None known

Section 5: FIRE FIGHTING MEASURES

Flammable Properties	None known
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	None known
Specific Hazards Arising from the Chemical	None known
Protective Equipment and Precautions for Firefighters	Wear self-contained breathing apparatus and protective suit

Section 6: SPILLAGE, ACCIDENTAL RELEASE MEASURES

Personal Precautions	Ensure adequate ventilation. Avoid dust formation. Avoid inhalation of dust. Refer to Section 8 for personal protective equipment.
Environmental Precautions	Prevent from entering into soil, ditches, sewers and waterways.
Methods for cleaning up	Sweep or vacuum spilled material Dispose of according to local and regional authority requirements
Other Information:	None known

Section 7: HANDLING AND STORAGE

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Handling	Avoid exposure - obtain special instructions before use. Ensure adequate ventilation. Do not breathe dust. Use personal protection equipment. Handle in accordance with good industrial hygiene and safety practice.
Storage	Keep containers tightly closed. Store away from incompatible materials.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits Provide adequate ventilation as well as local exhaust at critical locations

Limestone

China	4 mg/m ³ TWA (respirable dust) 8 mg/m ³ TWA (total dust)
China	8 mg/m ³ STEL (respirable dust) 16 mg/m ³ STEL (total dust)
ACGIH	10 mg/m ³ Total Dust, 3 mg/m ³ Respirable Dust
OSHA	5 mg/m ³ TWA (respirable fraction) 15 mg/m ³ TWA (total dust)

Crystalline Silica, quartz (impurity)

China	TWA: 0.5 mg/m ³ (total dust) 0.2 mg/m ³ (respirable dust)
ACGIH	TWA: 0.025 mg/m ³ respirable fraction
NIOSH	0.05 mg/m ³ TWA (respirable dust)
OSHA	TWA: 0.05 mg/m ³ OSHA Action level: 0.025 mg/m ³

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	Protective gloves
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice

Environmental Exposure Controls Dispose of in accordance with local regulations

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:

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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	0.01 g/l (Practically insoluble) @ 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
VOC Content (%)	Not applicable

Section 10: STABILITY AND REACTIVITY

Stability	Stable under normal conditions
Conditions to avoid:	Incompatible materials
Incompatible materials	Strong acids
Hazardous decomposition products	None under normal processing
Hazardous Reactions	None under normal processing
Hazardous polymerization:	None under normal processing

Section 11: TOXICOLOGICAL INFORMATION

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

Information on Likely Routes of Exposure

Eyes	Avoid contact with eyes Dust contact with the eyes can lead to mechanical irritation
Skin	Contact with dust can cause mechanical irritation or drying of the skin
Inhalation	Extended inhalation at levels above the workplace limit value can cause irreversible damage to the lungs (silicosis)
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).
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory Sensitization	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.

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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

Ecotoxicity	Not considered to be harmful to aquatic life. Avoid release to the environment.
Persistence/Degradability:	Not readily biodegradable.
Bioaccumulative Potential	None.
Partition coefficient	Not applicable
Bioconcentration factor (BCF)	Not available.
Mobility in soil	None.
Results of PBT and vPvB assessment	This substance does not meet the criteria for classification as PBT or vPvB.
Other Adverse Effects	None known

Section 13: DISPOSAL CONSIDERATIONS

Waste from Residues/Unused Products	Dispose of in accordance with local regulations
Contaminated Packaging:	Dispose of contents/container to an approved waste disposal plant

Section 14: TRANSPORT INFORMATION

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

DOT	Not regulated
IATA	Not regulated

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IMDG/IMO Not regulated
ICAO Not regulated

- 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

Chemical Name	CAS Number	EC No	EU 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 (NDSL)	Y	(1)-122(ENCS)(ISHL)	KE-21996	Y	Y	Y	Y	A
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(ENCS)(ISHL)	KE-29983	Y	Y	Y	Y	A

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

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Section 16: OTHER INFORMATION

Prepared by	Huber Engineered Materials Global Regulatory Affairs email: regulatory.affairs@huber.com
Reason for Revision	GB/T 16483-2008 GB/T 24774-2009 GB 13690 – 2009 GB/T 17519–2013
GHS Classification	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2
Physical Hazard	Not classified
Health Hazard	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2 Respiratory system Causes damage to organs through prolonged or repeated exposure
Environmental Hazard	Not classified
Label Elements	
Symbols/Pictograms	
Signal Word	 Danger
Abbreviations and acronyms	IARC (International Agency for Research on Cancer) IATA (International Air Transport Association) IMDG (International Maritime Dangerous Goods) IUCLID (International Uniform Chemical Information Database) WHMIS (Workplace Hazardous Materials Information System) DOT (Department of Transportation) 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) TDG (Transport of Dangerous Goods) Canada 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)

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SVHC (Substances of Very High Concern)
BOD (Biochemical oxygen demand)
COD (Chemical oxygen demand)
ICAO (International Civil Aviation Organization)
IMDG (International Maritime Dangerous Goods)
SCBA (Self-Contained Breathing Apparatus) Positive Pressure
GHS (Globally Harmonized System)
ADR (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
RID (Agreement Concerning the International Carriage of Dangerous Goods by Rail)
SARA (Superfund Amendments and Reauthorization Act of 1986)
TSCA (Toxic Substances Control Act)

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End of Safety Data Sheet