HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® Q6-20DS

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

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

1.1. Product identifier

Product Name: Hubercarb® Q6-20DS

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:
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

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

Physical Hazards 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 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 (HNOC) None known.

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	Not classified	H350; H372	96 - 99
Glycerides C14-18 Mono and Di	67701-33-1	Y	Y	Y	Exempt		--	0.5 - 1.5
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Y	Y	Exempt	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2	H350; H372	0.2 - 2

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.
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. 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	5 mg/m³ TWA (respirable fraction) 15 mg/m³ TWA (total dust)
ACGIH	10 mg/m³ Total Dust, 3 mg/m³ Respirable Dust
Canada	10 mg/m³
Canada - BC TWA	3 mg/m³ (respirable fraction); 10 mg/m³ (total dust)

Crystalline Silica, quartz (impurity)

OSHA	TWA: 0.05 mg/m³ OSHA Action level: 0.025 mg/m³
ACGIH	TWA: 0.025 mg/m³ respirable fraction
NIOSH	0.05 mg/m³ TWA (respirable dust)
Canada	0.025 mg/m³ TWA (respirable particulate)
Canada - BC TWA	0.025 mg/m³ TWA (respirable fraction)
Canada - Manitoba - OEL - TWA	0.025 mg/m³ TWA (respirable fraction)
Canada - Newfoundland & Labrador - 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	0.1 mg/m³ TWA (respirable fraction)

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.

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/cm3 @ 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

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.

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

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.
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
WGK Classification (VwVwS) 317 WGK: nwg
Glycerides C14-18 Mono and Di
WGK Classification (VwVwS) 8798 WGK: nwg
Crystalline Silica, quartz (impurity)
WGK Classification (VwVwS) 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. 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
Glycerides C14-18 Mono and Di
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Crystalline Silica, quartz (impurity)
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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

14.1. 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	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(EN	KE-21996	Y	Y	Y	Y	Y

							CS)(ISHL)						
Glycerides C14-18 Mono and Di	67701-33-1	266-952-6	Exempt	Y	Y	Y	(2)-669(ENCS)(ISHL)	KE-17918	Y	Y	Y	Y	Y
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Exempt	Y	Y	Y	(1)-548(ENCS)(ISHL)	KE-29983	Y	Y	Y	Y	Y

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

US Federal Regulations

EPA

CERCLA

Limestone

CERCLA	Not Listed
SARA 311/312 Hazardous Categorization	Not Listed

Crystalline Silica, quartz (impurity)

CERCLA	Not Listed
SARA 304	Listed
SARA 313	Listed

SARAH 302 RQ, lbs

Not listed

SARA 304

Not listed

SARA 311/312 Hazardous Categorization

Hazardous chemical Immediate health effects Delayed health effects

Crystalline Silica, quartz (impurity)

Acute Health Hazard	Yes
Chronic Health Hazard	Yes

CWA (Clean Water Act)

Not listed

U.S. State Right-to-Know Regulations

Chemical Name	CAS Number	California Proposition 65	California CPR	Massachusetts	Minnesota	New Jersey	Pennsylvania
Limestone	1317-65-3			Y	Y		Y
Glycerides C14-18 Mono and Di	67701-33-1						
Crystalline Silica, quartz (impurity)	14808-60-7	Y		Y	Y	Y	Y

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

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm 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 Hazardous Products Regulations

(HPR) and the SDS contains all the information required by the HPR

Limestone
H350; H372
Crystalline Silica, quartz (impurity)
H350; H372

SECTION 16: Other information

Prepared by	Huber Engineered Materials (HEM) Global Regulatory Affairs regulatory.affairs@huber.com
Issue Date: **Print Date:**	25/Apr/2019 26/Apr/2019
Revision Number:	1.3
Reason for Version	OSHA (Occupational Safety and Health Administration of the US Department of Labor).
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 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) 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