



HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® Q5-20DS

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)

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

1.1. Product identifier

Product Name: Hubercarb® Q5-20DS

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

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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

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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)

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Crystalline Silica, quartz (impurity)

| | |
|----------------------------------------------|------------------------------------------------------|
| OSHA | TWA: 0.05 mg/m ³ |
| | OSHA Action level: 0.025 mg/m ³ |
| ACGIH | TWA: 0.025 mg/m ³ respirable fraction |
| NIOSH | 0.05 mg/m ³ TWA (respirable dust) |
| Canada | 0.025 mg/m ³ TWA (respirable particulate) |
| Canada - BC TWA | 0.025 mg/m ³ TWA (respirable fraction) |
| Canada - Manitoba - OEL - TWA | 0.025 mg/m ³ TWA (respirable fraction) |
| Canada - Newfoundland & Labrador - OEL - TWA | 0.025 mg/m ³ TWA (respirable fraction) |
| Canada - Nova Scotia - OEL - TWA | 0.025 mg/m ³ TWA (respirable fraction) |
| Canada - Prince Edward Island - OEL - TWA | 0.025 mg/m ³ TWA (respirable fraction) |
| Mexico | 0.1 mg/m ³ 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:

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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 | 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.

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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

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). |

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| | |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------|
| 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

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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

WGK Classification (VwVwS) 8798 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 |

- 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 |

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| | | | | | | | | | | | | | |
|---------------------------------------|------------|-----------|--------|---|---|---|--------------------------------------|----------|---|---|---|---|---|
| Glycerides C14-18 Mono and Di | 67701-33-1 | 266-952-6 | Exempt | Y | Y | Y | CS)(ISHL) (2)-669(EN CS)(ISHL) | KE-17918 | Y | Y | Y | Y | Y |
| Crystalline Silica, quartz (impurity) | 14808-60-7 | 238-878-4 | Exempt | Y | Y | Y | (1)-548(EN CS)(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 Not Listed

Categorization

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

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(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 |
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| 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