HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® Q3T

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

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Revision Number 1.3.3

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

1.1. Product identifier

Product Name: **Hubercarb® Q3T**

Chemical Name Limestone Mixture

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
J.M. Huber Corporation
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

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

3.2. Mixture Mixture

Chemical Name	CAS Number	EC No	(CLP) Regulation (EC 1272/2008)	Weight-%
Limestone	1317-65-3	215-279-6	Not classified.	96 - 99
Stearic Acid	57-11-4	-	Not classified.	0.5 - 1.5
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Carcinogenicity category 1A. Specific target organ toxicity (STOT) - repeated exposure, category 2. Respiratory system.	0.2 - 2

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.
Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Rinse mouth thoroughly with water.
Aspiration hazard	Not an expected route of exposure.
Notes to Physician	Treat symptomatically.
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

ACGIH	10 mg/m³ Total Dust, 3 mg/m³ Respirable Dust
OSHA	5 mg/m³ TWA (respirable fraction) 15 mg/m³ TWA (total dust)

France	10 mg/m³
Italy	10 mg/m³
United Kingdom	10 mg/m³ TWA (inhalable dust); 4 mg/m³ TWA (respirable dust)
Crystalline Silica, quartz (impurity)	
ACGIH	TWA: 0.025 mg/m³ respirable fraction
OSHA	TWA: 0.05 mg/m³ OSHA Action level: 0.025 mg/m³
NIOSH	0.05 mg/m³ TWA (respirable dust)
Austria	MAK: 0,15 mg/m³ (respirable dust)
Belgium	TWA: 0,1 mg/m³ (respirable dust)
Bulgaria	TWA: 0,07 mg/m³ (respirable fraction)
Croatia	MAC: 0,1 mg/m³
Czech Republic	TWA: 0,1 mg/m³ (respirable dust)
Denmark	TLV 0,3 mg/m³ (total) 0,1 mg/m³ (respirable)
Estonia	TWA: 0,1 mg/m³ (respirable dust)
Finland	TWA: 0,05 mg/m³ (respirable)
France	VME: 0,1 mg/m³ (restrictive limit, alveolar fraction)
Hungary	TWA: 0,15 mg/m³ (respirable)
Iceland	TWA: 0,3 mg/m³ (total dust) 0,1 mg/m³ (respirable dust)
Ireland	TWA: 0,1 mg/m³ (respirable dust)
Italy	TWA: 0,025 mg/m³ (respirable fraction)
Italy	TWA: 0,025 mg/m³ (respirable fraction)
Lithuania	TWA: 0,1 mg/m³ (respirable fraction)
Netherlands	TWA: 0,075 mg/m³ (respirable dust)
Norway	TLV: 0,3 mg/m³ (total dust) 0,1 mg/m³ (respirable dust)
Poland	TWA: 2 mg/m³ (total dust) 0,3 mg/m³ (respirable dust)
Portugal	TWA: 0,025 mg/m³ (respirable fraction)
Slovakia	TWA: 0,1 mg/m³ (respirable fraction)
Slovenia	TWA: 0,15 mg/m³ (respirable fraction)
Spain	VLA-ED TWA: 0,1 mg/m³ (respirable fraction)
Sweden	TWA: 0,1 mg/m³ (respirable dust)
Switzerland	TWA: 1, 15 mg/m³ (respirable dust)
United Kingdom	TWA: 0,1 mg/m³ (respirable)

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

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.
Respiratory Protection	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	None known.
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
Freezing 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
Density	No data available
Relative Density	2.7 g/cm3 @ 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.
Kinematic viscosity	Not applicable
Explosive Properties	Not applicable
Oxidizing Properties	Not applicable
Particle Size	No information available

VOC Content (%) 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

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.

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

Limestone

Oral LD50	6450 mg/kg Rat

Stearic Acid

Oral LD50	4600 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

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	Based on available data, the classification criteria are not met
Serious eye damage/eye irritation	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
Germ cell mutagenicity	No information available.
Reproductive Effects	Based on available data, the classification criteria are not met.
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).
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.
Mixture versus substance information	Mixture

Information on Likely Routes of Exposure

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
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
Aspiration hazard	Not an expected route of exposure.
Symptoms related to the physical, chemical and	Contact with dust can cause mechanical irritation or drying of the skin. Dust may cause mechanical irritation to eyes. May cause irritation. Mucous Membrane.

toxicological characteristics respiratory tract.

11.2. Information on other hazards

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
Stearic Acid
WGK Classification (AwSV) 661: 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

Limestone

European Waste Catalog	10130414
WGK Classification (AwSV)	317 WGK: nwg

Stearic Acid

WGK Classification (AwSV)	661: 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
ADR	Not regulated
RID	Not regulated
ADN	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

Chemical Name	CAS Number	EC No	Australia (AIIC)	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(ENCS)(ISHL)	KE-21996	Y	55-1-01411	Y	Y	Y	A
Stearic Acid	57-11-4	-	Y	Y	Y	(2)-609 (2)-608 (ENCS)(ISHL)	KE-26333	Y	55-1-04499	Y	Y	Y	A
Crystalline Silica, quartz (impurity)	14808-60-7	238-878-4	Y	Y	Y	(1)-548(ENCS)(ISHL)	KE-29983	Y	55-1-01941	Y	Y	Y	A

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

REACH No.

Limestone
EU REACH registration number Exempt
Stearic Acid
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
Stearic Acid
WGK Classification (AwSV) 661: WGK: nwg
Crystalline Silica, quartz (impurity)
WGK Classification (AwSV) 849 WGK: nwg

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out

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. 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.

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