



HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® G3HST

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
GHS (Globally Harmonized System)

Issue Date 01/Jul/2024
Print Date 01/Jul/2024

Revision Number 1.3.1
Page 1 of 12

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

1.1. Product identifier

Product Name: Hubercarb® G3HST

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

Contact 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

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 2 of 12

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

Additional Information:

Not applicable.

Hazards not otherwise classified None known.
(HNOC)

SECTION 3: Composition/information on ingredients

Chemical Name	CAS Number	Weight-%
Limestone	1317-65-3	96 - 99
Stearic Acid	57-11-4	0.5 - 1.5
Crystalline Silica, quartz (impurity)	14808-60-7	0.1 - 0.2

SECTION 4: First aid measures

4.1. Description of first aid measures

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 3 of 12

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

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 4 of 12

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)

OSHA - Final PELs -TWA

15 mg/m³ TWA

ACGIH

10 mg/m³ Total Dust, 3 mg/m³ Respirable Dust

Canada

10 mg/m³Canada - British Columbia - OEL-
STELs20 mg/m³**Stearic Acid**

Canada

10 mg/m³

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 5 of 12

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
Canada	0.025 mg/m ³ TWA (respirable particulate)
Canada - British Columbia - OEL - Designated Substances	ACGIH Category A2 - Suspected Human Carcinogen
Canada - Ontario - OEL - TWA EVs	IARC Category 1 - Human Carcinogen
Canada - Manitoba - OEL - TWA	0.10 mg/m ³
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	Mexican Carcinogen Category: A2 (Suspected Human Carcinogen) TWA (VLE-PPT): 0.025 mg/m ³ .

PNEC (Predicted No Effect Concentration) No information available

DNEL (Derived No Effect Level) No information available

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. 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

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 6 of 12

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
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

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 7 of 12

SECTION 11: Toxicological information

General Information

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

11.1. Information on toxicological effects

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

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.

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 8 of 12

Mixture versus substance information No information available

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	Prolonged or repeated contact may dry skin and cause irritation
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 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.

11.2. 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.

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 9 of 12

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

HUBER

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 10 of 12

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

Global Inventories

Chemical Name	CAS Number	EC No	EU REACH registration number	Australia (AIIIC)	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
Stearic Acid	57-11-4	-	Exempt	Y	Y	Y	(2)-609 (2)-608 (ENCS)(ISHL)	KE-26333	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

US Federal Regulations

EPA

CERCLA

SARA 302

Not listed

SARA 304

Not listed

SARA 311/312 Hazardous Categorization

Hazardous chemical Immediate health effects Delayed health effects

CWA (Clean Water Act)

Not listed

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 11 of 12

U.S. State Right-to-Know Regulations

Chemical Name	CAS Number	California Proposition 65	Massachusetts	Minnesota	New Jersey	Pennsylvania
Limestone	1317-65-3	N	Y	Y	sn 4001	Y
Stearic Acid	57-11-4	No	No	No	No	No
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Y	Y	sn 1660	Y

Y: Listed ; N: Not Listed

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

Stearic Acid

Combustible Dust

Crystalline Silica, quartz (impurity)

H350; H372

SECTION 16: Other information

Prepared by

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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

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)

HUBER

Safety Data Sheet

Hubercarb® G3HST

Issue Date 01/Jul/2024

Print Date 01/Jul/2024

Revision Number 1.3.1

Page 12 of 12

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)
SCBA (Self-Contained Breathing Apparatus) Positive Pressure
GHS (Globally Harmonized System)
SARA (Superfund Amendments and Reauthorization Act of 1986)
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