HUBER ENGINEERED MATERIALS

Safety Data Sheet

Hubercarb® G2PT

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

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	Hubercarb® G2PT
Chemical Name	Limestone Mixture
Limestone	
CAS Number	1317-65-3
Weight-%	95.5 - 98.5
Stearic Acid	
CAS Number	57-11-4
Weight-%	0.5 - 1.5
Calcium Stearate	
CAS Number	1592-23-0
Weight-%	0.2 - 0.4
Crystalline Silica, quartz (impurity)	
CAS Number	14808-60-7
Weight-%	0.1 - 0.2
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: 1 800 424 9300 or International +1 703 527 3887
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Section 2: HAZARDS IDENTIFICATION

GHS Classification

Physical Hazard	Not classified
Health Hazard	Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated

exposure, category 2 Lungs

Environmental Hazard Not classified

Label Elements

Symbols/Pictograms



Signal Word Danger

Hazard Statement May cause cancer
May cause damage to organs (lung) through prolonged or repeated exposure by inhalation.

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.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	China (IECSC)	China classification	TSCA: United States	REACH registration number	Weight-%
Limestone	1317-65-3	Y		Y	Exempt	95.5 - 98.5
Stearic Acid	57-11-4	Y		Y	Exempt	0.5 - 1.5
Calcium Stearate	1592-23-0	Y		Y	Exempt	0.2 - 0.4
Crystalline Silica, quartz (impurity)	14808-60-7	Y	Carcinogenicity category 1A Respiratory system	Y	Exempt	0.1 - 0.2

Section 4: FIRST AID MEASURES

General Advice	In case of doubt or when symptoms persist, seek medical attention.
Eye Contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Skin Contact	Wash skin with soap and water
Inhalation	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious)
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	Water spray (fog) Foam Dry chemical Carbon dioxide (CO2)
Unsuitable extinguishing media:	None known
Specific Hazards Arising from the Chemical	Do not breathe dust
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

Handling In case of exposure to environments exceeding the occupational exposure limit, wear a respirator in compliance with national legislation. Handle in accordance with good industrial hygiene and safety practice

Storage Keep container tightly closed in a dry and well-ventilated place

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Limestone

China	4 mg/m³ TWA (respirable dust)
	8 mg/m³ TWA (total dust
China	8 mg/m³ STEL (respirable dust)
	16 mg/m³ STEL (total dust)
ACGIH	10 mg/m³ Total Dust, 3 mg/m³ Respirable Dust
OSHA	5 mg/m³ TWA (respirable fraction)
	15 mg/m³ TWA (total dust)

Crystalline Silica, quartz (impurity)

China	TWA: 0.5 mg/m³ (total dust)
	0.2 mg/m³ (respirable dust)
ACGIH	TWA: 0.025 mg/m³ respirable fraction
NIOSH	0.05 mg/m³ TWA (respirable dust)
OSHA	TWA: 0.05 mg/m³
	OSHA Action level: 0.025 mg/m³

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:	
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

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.

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

Stearic Acid

Oral LD50	4600 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	Dust may cause mechanical irritation to eyes
Respiratory Sensitization	Causes respiratory tract irritation if inhaled.
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

Ecotoxicity	Not considered to be harmful to aquatic life.
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
ADR	Not regulated
RID	Not regulated
ADN	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

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

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(ENCS)(ISHL)	KE-21996	Y	Y	Y	Y	Y
Stearic Acid	57-11-4	-	Exempt	Y	Y	Y	(2)-609 (2)-608 (ENCS)(ISHL)	KE-26333	Y	Y	Y	Y	Y
Calcium Stearate	1592-23-0	216-472-8	Exempt	Y	Y	Y	(9)-1677 (2)-611 (ENCS)(ISHL)	KE-26347	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

Section 16: OTHER INFORMATION

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Reason for Revision

GB/T 16483-2008
GB/T 24774-2009
GB 13690 – 2009
GB/T 17519–2013

GHS Classification

Physical Hazard

Not classified

Health Hazard

Carcinogenicity category 1A Specific target organ toxicity (STOT) - repeated exposure, category 2 Lungs

Environmental Hazard

Not classified

Label Elements

Symbols/Pictograms



Signal Word

Danger

Hazard Statement

May cause cancer
May cause damage to organs (lung) through prolonged or repeated exposure by inhalation.

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