9810203 BETOCARB-LU



Version Revision Date: SDS Number: Date of last issue: 05/20/2020 1.3 06/11/2020 PR98102-03 Date of first issue: 10/23/2015

(GHS_US)

SECTION 1. IDENTIFICATION

Product name : BETOCARB-LU Product code : 9810203

Manufacturer or supplier's details

Company name of supplier : Omya International AG

Address : 42 Baslerstrasse

Oftringen AG 4665

 Telephone
 : +41627892929

 Telefax
 : +41627892077

 Emergency telephone
 : (800) 424-9300

Recommended use of the chemical and restrictions on use

Recommended use : Filler or Pigment Restrictions on use : For industrial use only.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity (Inhalation) : Category 1A

Specific target organ toxicity:

- repeated exposure

(Inhalation)

Category 2 (Lungs)

GHS label elements

Hazard pictograms



Signal Word : Danger

Hazard Statements : H350 May cause cancer by inhalation.

H373 May cause damage to organs (Lungs) through prolonged

or repeated exposure if inhaled.

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/ fume/ gas/ mist/ vapors/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/

face protection.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/

9810203 BETOCARB-LU



Version 1.3

(GHS_US)

Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

attention.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture Substance

Substance name Calciumcarbonate GCC fine powder

CAS-No. Not Assigned

Components

Chemical name	CAS-No.	Typical composition (% w/w)
Ground calcium carbonate (GCC)	1317-65-3	>= 90 - <= 100
quartz (SiO2)	14808-60-7	1.2

SECTION 4. FIRST AID MEASURES

If inhaled Move to fresh air in case of accidental inhalation of dust or

fumes from overheating or combustion. If symptoms persist, call a physician.

In case of skin contact : Take off contaminated clothing and shoes immediately.

Wash off with soap and plenty of water.

Flush eyes with water as a precaution. In case of eye contact

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

Clean mouth with water and drink afterwards plenty of water. If swallowed

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and

delayed

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Hazardous combustion

products

No hazardous combustion products are known

Standard procedure for chemical fires. Further information

Special protective equipment:

for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

9810203 BETOCARB-LU



Version Revision Date: SDS Number: Date of last issue: 05/20/2020 1.3 06/11/2020 PR98102-03 Date of first issue: 10/23/2015

(GHS_US)

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid dust formation.

Environmental precautions : No special environmental precautions required.

Methods and materials for

: Sweep up and shovel.

containment and cleaning up Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

Advice on protection against :

fire and explosion

: Avoid dust formation.

Provide appropriate exhaust ventilation at places where dust

is formed.

Advice on safe handling : For personal protection see section 8.

No special handling advice required.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Materials to avoid : Do not store near acids.

Further information on

storage stability

Keep in a dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ground calcium carbonate (GCC)	1317-65-3	TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium carbonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium carbonate)	NIOSH REL
quartz (SiO2)	14808-60-7	TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA	250 mppcf	OSHA Z-3

9810203 BETOCARB-LU



Version 1.3

Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

(GHS_US)

(respirable)	/ %SiO2+5	
TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
PEL (respirable)	0.05 mg/m3	OSHA CARC

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure

limit they must use appropriate certified respirators.

Hand protection

Remarks : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : powder

Color : white

Odor : characteristic

Odor Threshold : Not relevant

pH : 8.5 - 9.5 (20 °C / 20 °C)

Concentration: 100 g/l Method: DIN-ISO 787/9

Melting point/range : $> 800 \, ^{\circ}\text{C} \, / > 800 \, ^{\circ}\text{C}$

(1,013 hPa)

Decomposition: Decomposes below the melting point.

Boiling point/boiling range : Decomposition: Decomposes below the boiling point.

Flash point : does not flash

Flammability (solid, gas) : The product is not flammable.

Burning number : 1

Upper explosion limit / Upper : Upper flammability limit

9810203 BETOCARB-LU



Version 1.3

Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

(GHS_US)

flammability limit Not applicable

Lower explosion limit / Lower

flammability limit

Lower flammability limit

Not applicable

Vapor pressure Not applicable

Density 2.3 - 2.8 g/cm3 (20 °C / 20 °C, 1,013 hPa)

Method: DIN-ISO 787/10

Solubility(ies)

Water solubility 0.014 g/l (20 °C / 20 °C, 1,013 hPa)

Partition coefficient: n-

octanol/water

Not applicable

Autoignition temperature Not applicable

> 600 °C / > 600 °C Decomposition temperature

Explosive properties Not explosive

Not explosive

Minimum ignition energy > 1,000 mJ (20 °C / 20 °C, 1,013 hPa)

SECTION 10. STABILITY AND REACTIVITY

Reactivity Stable under recommended storage conditions. Chemical stability No decomposition if stored and applied as directed. Possibility of hazardous

reactions

Stable under recommended storage conditions.

No decomposition if used as directed.

Reacts with acids. It forms carbon dioxide (CO2). This displaces the oxygen in the air in closed spaces. (danger of

suffocation)

Conditions to avoid Hazardous decomposition

products

No data available Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

Components:

Ground calcium carbonate (GCC):

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

9810203 BETOCARB-LU



Version Revision Date: SDS Number: Date of last issue: 05/20/2020 1.3 06/11/2020 PR98102-03 Date of first issue: 10/23/2015

(GHS_US)

Respiratory or skin sensitization

Product:

No data available

Carcinogenicity

Components:

quartz (SiO2):

Carcinogenicity - : Positive evidence from human epidemiological studies

Assessment (inhalation)

IARC Group 1: Carcinogenic to humans

quartz (SiO2) 14808-60-7

(Silica dust, crystalline)

NTP Known to be human carcinogen

quartz (SiO2) 14808-60-7

(Silica, Crystalline (Respirable Size))

STOT-repeated exposure

Components:

quartz (SiO2):

Routes of exposure : Inhalation Target Organs : Lungs

Assessment : May cause damage to organs through prolonged or repeated

exposure.

Further information

Product:

This product contains prismatic tremolite (e.g., cleavage fragments) as an impurity. Sufficient exposure to respirable prismatic tremolite dust may cause serious lung problems.

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h

9810203 BETOCARB-LU



Version 1.3 (GHS_US) Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

Toxicity to algae/aquatic

plants

: NOEC (Desmodesmus subspicatus (green algae)): 75 mg/l

Exposure time: 72 h

EC50 (Desmodesmus subspicatus (green algae)): 289 mg/l

Exposure time: 72 h

Components:

Ground calcium carbonate (GCC):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10,000 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): > 1,000 mg/l

Exposure time: 48 h

Toxicity to algae/aquatic

plants

EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l

Exposure time: 72 h

quartz (SiO2):

Toxicity to fish : No toxicity at the limit of solubility.

Toxicity to daphnia and other :

aquatic invertebrates

No toxicity at the limit of solubility.

Toxicity to algae/aquatic

plants

No toxicity at the limit of solubility.

Toxicity to microorganisms

No toxicity at the limit of solubility.

Persistence and degradability

Product:

Biodegradability : Not applicable

Components:

quartz (SiO2):

Biodegradability : Result: Not biodegradable.

Biochemical Oxygen

Demand (BOD)

Not applicable

Chemical Oxygen Demand

(COD)

Not applicable

Bioaccumulative potential

Components:

Ground calcium carbonate (GCC):

Partition coefficient: n-

: Not applicable

octanol/water

quartz (SiO2):

Bioaccumulation : This substance is not considered to be persistent,

bioaccumulating and toxic (PBT).

9810203 BETOCARB-LU



Version 1.3

Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

(GHS_US)

Partition coefficient: n-

octanol/water

Not applicable

Mobility in soilNo data available

Other adverse effects

Product:

Ozone-Depletion Potential : Rec

Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I

Substances

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act

Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological

information

In solid state these minerals are a major part of the rocks of

the earth's surface.

They are dissolved in a natural state and indispensable part of

the natural waters.

These minerals are not biodegradable.

Negative effects on the environment should therefore be

excluded.

Restrictions may be indicated that concentrated suspensions these minerals in natural waters may have an unfavorable effect on water organisms (disturbance of the micro flora and -

fauna in the sediment and subsequent detriment to the

existence of higher water organisms).

Components:

Ground calcium carbonate (GCC):

Results of PBT and vPvB

assessment

: Non-classified PBT substance Non-classified vPvB substance

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Offer surplus and non-recyclable solutions to a licensed

disposal company.

Contaminated packaging : Empty remaining contents.

Empty containers should be taken to an approved waste

handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

International Regulations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

9810203 BETOCARB-LU



Version 1.3

Revision Date: 06/11/2020

SDS Number: PR98102-03

Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

(GHS_US)

Domestic regulation

Not applicable for product as supplied.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Acute/Chronic Health Hazard

Specific target organ toxicity (single or repeated exposure)

SARA 313 : This material does not contain any chemical components with

known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

US State Regulations

Massachusetts Right To Know

Ground calcium carbonate (GCC) 1317-65-3 quartz (SiO2) 14808-60-7

Pennsylvania Right To Know

Ground calcium carbonate (GCC) 1317-65-3 quartz (SiO2) 14808-60-7

Maine Chemicals of High Concern

quartz (SiO2) 14808-60-7

9810203 BETOCARB-LU



Version 1.3 (GHS_US) Revision Date: 06/11/2020

SDS Number: PR98102-03

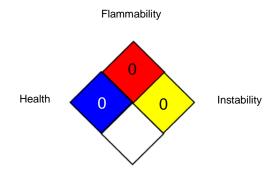
Date of last issue: 05/20/2020 Date of first issue: 10/23/2015

The following chemicals are listed as Maine Chemicals of High Concern:

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



Special hazard

HMIS® IV:

HEALTH	*	1
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA CARC : OSHA Specifically Regulated Chemicals/Carcinogens
OSHA P0 : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1

Limits for Air Contaminants

OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3

Mineral Dusts

ACGIH / TWA : 8-hour, time-weighted average

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

OSHA CARC / PEL : Permissible exposure limit (PEL)
OSHA P0 / TWA : 8-hour time weighted average
OSHA Z-1 / TWA : 8-hour time weighted average
OSHA Z-3 / TWA : 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and

9810203 BETOCARB-LU



Version Revision Date: SDS Number: Date of last issue: 05/20/2020 1.3 06/11/2020 PR98102-03 Date of first issue: 10/23/2015

(GHS_US)

New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC -International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. -Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB -Very Persistent and Very Bioaccumulative

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

Sources of key data used to compile the Material Safety

Data Sheet

: Information taken from reference works and the literature.

Revision Date : 06/11/2020

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.

Responsible/issuing person : Omya Inc.

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