

Safety Data Sheet

according to Regulation (EC) No 1907/2006

BEECK Calcidin

Print date: 19.03.2018

Product code: FWB_B39

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

BEECK Calcidin

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Marble lime paint for interior walls.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

1.3. Details of the supplier of the safety data sheet

Company name:	BEECK'SCHE FARBWERKE GmbH	
Street:	Gottlieb-Daimler-Strasse 4	
Place:	D-89150 Laichingen	
Telephone:	+49 (0) 7333 / 9607-11	Telefax: +49 (0) 7333 / 9607-10
e-mail:	info@beeck.com	
Contact person:	Ralf Rieks	Telephone: +49 (0) 7333 / 9607-14
e-mail:	Ralf.Rieks@beeck.com	
Internet:	www.beeck.com	
Responsible Department:	Factory Laichingen, Gottlieb-Daimler-Str. 4, D-89150 Laichingen Tel. +49(0)7333/9607-11 Fax: +49(0)7333/9607-10 Mo-Fr: 8.00 -16.00 hour	

1.4. Emergency telephone**number:**

United Kingdom +44 870 600 626 / 0870 600 6266
 GBK Gefahrgut Büro GmbH
 +49(0)6132/84463

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xi - Irritant

R phrases:

Irritating to respiratory system and skin.

Risk of serious damage to eyes.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

May cause respiratory irritation.

2.2. Label elements**Hazardous components which must be listed on the label**

Calcium hydroxide

Signal word: Danger

Pictograms: GHS05-GHS07

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Hazard statements

- H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.

Precautionary statements

- P102 Keep out of reach of children.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P501 Disposal in accordance with the official regulations.

2.3. Other hazards

Should not be released into the environment.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

. binding agent: calcium hydroxide
 Water:

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
215-137-3	Calcium hydroxide	20 - < 25 %
1305-62-0	Xi - Irritant R37/38-41	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335	
	Calcium carbonate	5 - < 10 %
1317-65-3		
236-675-5	Titanium oxide	1 - < 5 %
13463-67-7		

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down. Never give anything by mouth to an unconscious person. Lay the affected person down and keep him still; If

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unconscious, place the person in the recovery position.

After inhalation

Move to fresh air. Lay the affected person down, and keep her or him warm and calm. If symptoms persist, call a physician. In case of irregular breathing or respiratory arrest: Oxygen or artificial respiration, if needed.

After contact with skin

Wash contaminated skin areas thoroughly with soap and water. Remove soiled clothing. Do not use solvents or thinners. Consult a physician.

After contact with eyes

Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Remove contact lenses, if applicable. Consult an ophthalmologist immediately.

After ingestion

Immediately give large quantities of water to drink.
Do not induce vomiting. In the event of spontaneous nausea and unconsciousness, keep the head back and bring the patient into the recovery position.
Lay the affected person down, and keep her or him warm and calm. Consult a physician.

4.2. Most important symptoms and effects, both acute and delayed

Irritation of the eyes, skin and mucous membranes.
vomiting, cough, shortness of breath, abdominal pain

4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment (decontamination and vital functions).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product itself does not burn. Use extinguishing measures that are appropriate to the environment.

Unsuitable extinguishing media

High volume water jet.

5.2. Special hazards arising from the substance or mixture

Do not breathe in the vapours and combustion gases.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire fighting, if necessary.

Additional information

The combustion gases are partially condensed with the water used to extinguish the fire and end up as a contaminant in this water. Slaking water may have an alkaline effect.
Do not let product enter drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Provide adequate ventilation.
Use respiratory equipment when gases, vapours/aerosols form. Avoid contact with skin and eyes.
Wear personal protective equipment.

6.2. Environmental precautions

Do not allow access to the sewer or open water as a result of the alkaline reaction when the product comes into contact with water.
Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system.
Entry into rivers or surface water is to be prevented by the erection of barriers made of sand or earth or by other suitable barriers.

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6.3. Methods and material for containment and cleaning up

Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. The containers must be sealed, marked and disposed of safely.

6.4. Reference to other sections

See section 7, 8, 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use alkaline resistant auxiliary equipment. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Containers keep tightly closed.

Refer to safety instructions (see sections 7 and 8).

Advice on protection against fire and explosion

The product is not flammable.

Further information on handling

See information supplied by the manufacturer. Take notice of the directions of use on the label. Handle, store and transport in compliance with local regulations and in labelled containers that are suitable for this product.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in compliance with the local regulations. Store sealed in the original container. Keep in a dry, cool place. Protect from freezing.

Advice on storage compatibility

Do not store near acids.

Further information on storage conditions

Store in compliance with the local regulations. Smoking in the storage rooms is forbidden. Entry by unauthorized individuals is forbidden.

Keep at temperatures between 5°C and 25°C.

Already opened containers should be closed thoroughly and should be stored upright in order to prevent leakage.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
1317-65-3	Calcium carbonate, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
1305-62-0	Calcium hydroxide	-	5		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

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Appropriate engineering controls

Follow the maximum workplace concentration values. Provide adequate ventilation and/or exhaust ventilation.

Protective and hygiene measures

A high standard of personal hygiene is required. Keep away from food, drink and animal food stuffs. When using, do not eat, drink, or smoke. Avoid contact with skin and eyes. Avoid contact with clothing. Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and at the end of the workday.

Eye/face protection

Safety glasses with side-shields
Eye wash

Hand protection

Protective gloves
The manufacturer recommends the following glove materials: butyl rubber, PVC, PE (layer thickness: $\geq 0,5$ mm)
Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer.
Preventive skin protection: skin protection cream.

Skin protection

Impervious clothing, boots, apron, protective gloves.
Take off all contaminated clothing immediately. Wash contaminated skin areas thoroughly with soap and water.

Respiratory protection

Not required when area is well ventilated. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.
When the concentration in the air is over the maximum occupational exposure limit, an approved respiratory protection apparatus must be worn.

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	white
Odour:	mild

	Test method
pH-Value:	11 DIN 53996

Changes in the physical state

Melting point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	n.a.
Lower explosion limits:	n.a.
Upper explosion limits:	n.a.
Decomposition temperature:	No data available.
Vapour pressure:	n.d.
Density:	1,16 g/cm ³
Water solubility:	No data available.

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Partition coefficient:	No data available.
Viscosity / dynamic:	500 mPa·s ISO 2555
Vapour density:	No data available.
Evaporation rate:	No data available.

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions are known.

10.2. Chemical stability

Stable under proper storage and handling.

10.3. Possibility of hazardous reactions

No dangerous reactions are known.

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

strong oxidizers; strong acids

10.6. Hazardous decomposition products

No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicokinetics, metabolism and distribution

No data available.

Acute toxicity

No data is available on the product itself.

calcium hydroxide
LD50/oral/rat: > 7340 mg/kg

Calcium carbonate
LD50/oral/rat: 6450 mg/kg

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
1317-65-3	Calcium carbonate				
	oral	LD50	> 5000 mg/kg	rat	
13463-67-7	Titanium oxide				
	oral	LD50	>5000 mg/kg	rat	OECD 425
	dermal	LD50	>5000 mg/kg	rabbit	
	inhalative (4 h) aerosol	LC50	>6,8 mg/l	rat	

Irritation and corrosivity

As a result of the high pH value the possibility of serious irritation in the event of contact with the eyes, skin or mucous membrane cannot be ruled out.

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SECTION 12: Ecological information

12.1. Toxicity

No data is available on the product itself.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
1317-65-3	Calcium carbonate					
	Acute fish toxicity	LC50	>10000 mg/l	96 h	Rainbow trout (Oncorhynchus mykiss)	
	Acute algae toxicity	ErC50	>200 mg/l	72 h	Desmodesmus subspicatus	
	Acute crustacea toxicity	EC50	>1000 mg/l	48 h	Daphnia magna	
13463-67-7	Titanium oxide					
	Acute fish toxicity	LC50	>1000 mg/l	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50	16 mg/l		Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	>100 mg/l	48 h	Daphnia magna	OECD 202

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

Further information

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Disposal in accordance with the official regulations.

Do not flush into surface water or sanitary sewer system. Offer surplus and non-recyclable solutions to a licensed disposal company.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

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Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Suitable cleaning agents: Water resp. soapy water.
Packaging can be sent for recycling after being emptied and cleaned. If recycling is not practicable, dispose of in compliance with the official regulations and the Environmental Protection (Duty of Care) Regulations 1991.

SECTION 14: Transport information**Land transport (ADR/RID)****Other applicable information (land transport)**

Not classified as dangerous regarding transport regulations.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

Not classified as dangerous regarding transport regulations.

Marine transport (IMDG)**Other applicable information (marine transport)**

Not classified as dangerous regarding transport regulations.

Air transport (ICAO)**Other applicable information (air transport)**

Not classified as dangerous regarding transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): The EU limit value for this product (product category: II.Aa.Wb) in ready to use form is max 30 g/litre of VOC. The VOC content of this product in ready to use form is max 2 g/l

Additional information

No Substances of Very High Concern (SVHC) according REACH Article 57.

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information**Abbreviations and acronyms**

n.a. = not applicable

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n.d. = not determined

n.d.a. = no data available

Relevant R-phrases (Number and full text)

- 37/38 Irritating to respiratory system and skin.
41 Risk of serious damage to eyes.

Relevant H- and EUH-phrases (Number and full text)

- H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Further Information

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)