

SAFETY DATA SHEET

according to Commission Regulation (EU) No 453/2010



EDUARD MERKLE GMBH & CO. KG
KALK, TERRAZZO- UND STEINMAHLWERKE
D-89143 BLAUBEUERN ALTENTAL

6401800 CRISCARB® CM

Version	Revision Date:	MSDS Number:	Date of last issue: 27.09.2012
1.1	15.04.2015	6401800	Date of first issue: 27.09.2012
	Generation Variant:		
	CLP_EU		

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

1.1 Product identifier

Trade name : CRISCARB® CM

REACH Registration Number : Exempted Annex V.7

Substance name : Calcium carbonate (GCC) fine powder

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-stance/Mixture : Manufacture of paints, varnishes and similar coatings, printing ink and mastics
Chemical-Technical Industry
Manufacture of rubber products
Manufacture of plastics products
Manufacture of paper and paperboard
Manufacture of soap and detergents, cleaning and polishing mixtures
Building and construction work
Filling
Mixing
Filler or Pigment
Building and construction mixtures not covered elsewhere
Water treatment chemical

Recommended restrictions on use : For industrial use only.
Other industries not mentioned are excluded.

1.3 Details of the supplier of the safety data sheet

Company : Omya International AG
Baslerstrasse 42
4665 Oftringen

Telephone : +41627892929

Telefax : +41627892077

E-mail address of person responsible for the SDS : sdb.ch@omya.com

Responsible/issuing person : Omya International Ltd, Group Regulatory Affairs, 4665 Oftringen, Switzerland. In order of Eduard Merkle GmbH & Co. KG

1.4 Emergency telephone number

Emergency telephone number : +41613192837

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Classification (67/548/EEC, 1999/45/EC)

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Additional Labelling:

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : Calcium carbonate (GCC) fine powder

Hazardous components

Chemical Name	CAS-No. EC-No.	Concentration (%)
No hazardous ingredients		
WEL substance :		
Natural Calcium Carbonate.	1317-65-3 215-279-6	>= 85 - < 100

SECTION 4: First aid measures

4.1 Description of 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.

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

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Protect unharmed eye.
Keep eye wide open while rinsing.

If swallowed : Clean mouth with water and drink afterwards plenty of water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : No hazardous combustion products are known

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Sweep up and shovel.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : For personal protection see section 8.
No special handling advice required.
- Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : General industrial hygiene practice.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
- Advice on common storage : Do not store near acids.
- Storage class (TRGS 510) : 13, Non Combustible Solids
- Other data : Keep in a dry place. No decomposition if stored and applied as directed.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
<u>France</u>				
Natural Calcium Carbonate.	1317-65-3	VME	10 mg/m ³	FR VLE
<u>Switzerland</u>				
Natural Calcium Carbonate.	1317-65-3	TWA (alveolate dust)	3 mg/m ³	CH SUVA
<u>Finland</u>				
Natural Calcium Carbonate.	1317-65-3	HTP-arvot 8h	10 mg/m ³	FI OEL
<u>United Kingdom</u>				
Natural Calcium Carbonate.	1317-65-3	TWA (inhalable dust)	10 mg/m ³	GB EH40
		TWA (Respirable dust)	4 mg/m ³	GB EH40

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8.2 Exposure controls

Personal protective equipment

Eye protection	: Safety glasses
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Skin and body protection	: Protective suit
Respiratory protection	: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with a particle filter P2 (EN 143)

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: powder, granular
Colour	: white
Odour	: characteristic
pH	: 8,5 - 9,5, Concentration: 100 g/l (20 °C) Method: DIN-ISO 787/9
Melting point/range	: > 800 °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.
Upper explosion limit	: upper flammability limit Not applicable
Lower explosion limit	: lower flammability limit Not applicable
Vapour pressure	: Not applicable
Density	: 2,6 - 2,8 g/cm ³ (20 °C, 1.013 hPa) Method: DIN-ISO 787/10
Solubility(ies)	
Water solubility	: 0,014 g/l (20 °C, 1.013 hPa)

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0,018 g/l (75 °C, 1.013 hPa)

Partition coefficient: n-octanol/water	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	> 600 °C
Explosive properties	:	Explosive Acc. EU Legislation: Not explosive Explosive Acc. Transp. Regul.: Not explosive

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

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).

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

no data available

10.6 Hazardous decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

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Components:

Natural Calcium Carbonate.:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Skin corrosion/irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

no data available

Further information

Product:

no data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

Components:

Natural Calcium Carbonate.:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 10.000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l

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aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (Desmodesmus subspicatus (green algae)): > 200 mg/l
Exposure time: 72 h

12.2 Persistence and degradability

Product:

Biodegradability : Not applicable

12.3 Bioaccumulative potential

Components:

Natural Calcium Carbonate.:

Partition coefficient: n-octanol/water : Not applicable

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

Natural Calcium Carbonate.:

Assessment : Non-classified PBT substance
Non-classified vPvB substance

12.6 Other adverse effects

Product:

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).

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Components:

Natural Calcium Carbonate.:

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	: 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

14.1 UN number

14.2 UN proper shipping name

14.3 Transport hazard class(es)

14.4 Packing group

14.5 Environmental hazards

14.6 Special precautions for user

Remarks	: Not classified as dangerous in the meaning of transport regulations.
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EC) No 850/2004 on persistent organic pol-	: Not applicable

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lutants

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances
Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.
Not applicable

Water contaminating class : nwg not water endangering
(Germany) Code Number: 317
Remarks: VwVwS

15.2 Chemical Safety Assessment

SECTION 16: Other information

Further information

Other information : This 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 Safety Data Sheet : Information taken from reference works and the literature.

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.

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