



Page 1 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
 Valid from: 08.03.2017
 PDF print date: 20.11.2018
 SCHAEFER PRECAfood® - CaCO₃ PCC
 Calciumcarbonat, gefällt

Safety data sheet
 according to Regulation (EC) No 1907/2006, Annex II

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

1.1 Product identifier

SCHAEFER PRECAfood® - CaCO₃ PCC
Calciumcarbonat, gefällt

Calcium carbonate
 Registration number (ECHA): 01-2119486795-18-XXXX
 Index: ---
 EINECS, ELINCS, NLP: 207-439-9
 CAS: 471-34-1

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

- Sector of use [SU]:
- SU 1 - Agriculture, forestry, fishery
 - SU 2a - Mining, (without offshore industries)
 - SU 2b - Offshore industries
 - SU 3 - Industrial uses: Uses of substances as such or in preparations at industrial sites
 - SU 4 - Manufacture of food products
 - SU 5 - Manufacture of textiles, leather, fur
 - SU 6a - Manufacture of wood and wood products
 - SU 6b - Manufacture of pulp, paper and paper products
 - SU 7 - Printing and reproduction of recorded media
 - SU 8 - Manufacture of bulk, large scale chemicals (including petroleum products)
 - SU 9 - Manufacture of fine chemicals
 - SU10 - Formulation (mixing) of preparations and/or re-packaging (excluding alloys)
 - SU11 - Manufacture of rubber products
 - SU12 - Manufacture of plastics products, including compounding and conversion
 - SU13 - Manufacture of other non-metallic mineral products, e.g. plasters, cement
 - SU14 - Manufacture of basic metals, including alloys
 - SU15 - Manufacture of fabricated metal products, except machinery and equipment
 - SU16 - Manufacture of computer, electronic and optical products, electrical equipment
 - SU17 - General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment.
 - SU18 - Manufacture of furniture
 - SU19 - Building and construction work
 - SU20 - Health services
 - SU23 - Electricity, steam, gas water supply and sewage treatment
 - SU24 - Scientific research and development
- Chemical product category [PC]:
- PC 1 - Adhesives, sealants
 - PC 2 - Adsorbents
 - PC 3 - Air care products
 - PC 4 - Anti-Freeze and de-icing products
 - PC 7 - Base metals and alloys
 - PC 9a - Coatings and paints, thinners, paint removers
 - PC 9b - Fillers, putties, plasters, modelling clay
 - PC 9c - Finger paints
 - PC11 - Explosives
 - PC12 - Fertilizers
 - PC14 - Metal surface treatment products
 - PC15 - Non-metal-surface treatment products
 - PC16 - Heat transfer fluids
 - PC17 - Hydraulic fluids
 - PC18 - Ink and toners
 - PC19 - Removed from PC list and relocated in the technical function list
 - PC20 - Processing aids such as pH-regulators, flocculants, precipitants, neutralization agents
 - PC21 - Laboratory chemicals
 - PC23 - Leather treatment products
 - PC24 - Lubricants, greases, release products
 - PC25 - Metal working fluids
 - PC26 - Paper and board treatment products
 - PC27 - Plant protection products
 - PC28 - Perfumes, fragrances
 - PC29 - Pharmaceuticals
 - PC30 - Photo-chemicals
 - PC31 - Polishes and wax blends
 - PC32 - Polymer preparations and compounds
 - PC33 - Semiconductors
 - PC34 - Textile dyes, and impregnating products
 - PC35 - Washing and cleaning products
 - PC36 - Water softeners
 - PC37 - Water treatment chemicals
 - PC38 - Welding and soldering products, flux products
 - PC39 - Cosmetics, personal care products
 - PC40 - Extraction agents
- Process category [PROC]:
- PROC 1 - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
 - PROC 2 - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

GB IRL

Page 2 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
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- PROC 3 - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition
- PROC 4 - Chemical production where opportunity for exposure arises
- PROC 5 - Mixing or blending in batch processes
- PROC 6 - Calendering operations
- PROC 7 - Industrial spraying
- PROC 8a - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
- PROC 8b - Transfer of substance or mixture (charging and discharging) at dedicated facilities
- PROC 9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
- PROC10 - Roller application or brushing
- PROC11 - Non industrial spraying
- PROC12 - Use of blowing agents in manufacture of foam
- PROC13 - Treatment of articles by dipping and pouring
- PROC14 - Tableting, compression, extrusion, pelletisation, granulation
- PROC15 - Use a laboratory reagent.
- PROC17 - Lubrication at high energy conditions in metal working operation
- PROC18 - General greasing/lubrication at high kinetic energy conditions
- PROC19 - Manual activities involving hand contact
- PROC20 - Use of functional fluids in small devices
- PROC21 - Low energy manipulation and handling of substances bound in/on materials or articles
- PROC22 - Manufacturing and processing of minerals and/or metals at substantially elevated temperature
- PROC23 - Open processing and transfer operations at substantially elevated temperature
- PROC24 - High (mechanical) energy work-up of substances bound in /on materials and/or articles
- PROC25 - Other hot work operations with metals
- PROC26 - Handling of solid inorganic substances at ambient temperature
- PROC27a - Production of metal powders (hot processes)
- PROC27b - Production of metal powders (wet processes)


Article Categories [AC]:

- AC 1 - Vehicles
 - AC 2 - Machinery, mechanical appliances, electrical/electronic articles
 - AC 3 - Electrical batteries and accumulators
 - AC 4 - Stone, plaster, cement, glass and ceramic articles
 - AC 5 - Fabrics, textiles and apparel
 - AC 6 - Leather articles
 - AC 7 - Metal articles
 - AC 8 - Paper articles
 - AC10 - Rubber articles
 - AC11 - Wood articles
 - AC13 - Plastic articles
 - AC31 - Scented clothes
 - AC32 - Scented eraser
 - AC34 - Scented Toys
 - AC35 - Scented paper articles
 - AC36 - Scented CD
 - AC38 - Packaging material for metal parts, releasing grease/corrosion inhibitors
- Environmental Release Category [ERC]:
- ERC 1 - Manufacture of the substance
 - ERC 2 - Formulation into mixture
 - ERC 3 - Formulation into solid matrix
 - ERC 4 - Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
 - ERC 5 - Use at industrial site leading to inclusion into/onto article
 - ERC 6a - Use of intermediate
 - ERC 6b - Use of reactive processing aid at industrial site (no inclusion into or onto article)
 - ERC 6d - Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)
 - ERC 7 - Use of functional fluid at industrial site
 - ERC 8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
 - ERC 8b - Widespread use of reactive processing aid (no inclusion into or onto article, indoor)
 - ERC 8c - Widespread use leading to inclusion into/onto article (indoor)
 - ERC 8d - Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
 - ERC 8e - Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
 - ERC 8f - Widespread use leading to inclusion into/onto article (outdoor)
 - ERC 9a - Widespread use of functional fluid (indoor)
 - ERC 9b - Widespread use of functional fluid (outdoor)
 - ERC10a - Widespread use of articles with low release (outdoor)
 - ERC10b - Widespread use of articles with high or intended release (outdoor)
 - ERC11a - Widespread use of articles with low release (indoor)
 - ERC11b - Widespread use of articles with high or intended release (indoor)
 - ERC12a - Processing of articles at industrial sites with low release
 - ERC12b - Processing of articles at industrial sites with high release

Uses advised against:

No information available at present.

1.3 Details of the supplier of the safety data sheet


 SCHAEFER KALK GmbH & Co. KG, Louise-Seher-Strasse 6, 65582 Diez, Germany
 Phone:+49-6432-503-0, Fax:+49-6432-503-269
 info@schaeferkalk.de

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

1.4 Emergency telephone number

Emergency information services / official advisory body:



GB IRL

Page 3 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
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National Poisons Information Centre, Beaumont Hospital, Dublin 9, Ireland, Tel.:
 +353 (0)1 809 2166 (Public Poisons Info Line, 8am-10pm, 7 days a week)
 +353 (0)1 809 2566 (Info for Healthcare Professionals ONLY, 24 h, 7 days a week)
Telephone number of the company in case of emergencies:
 +49 (0) 700 / 24 112 112 (SKC)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) 1272/2008 (CLP)

Not applicable

2.2 Label elements
Labeling according to Regulation (EC) 1272/2008 (CLP)

Not applicable

2.3 Other hazards

No vPvB substance

No PBT substance

SECTION 3: Composition/information on ingredients

3.1 Substance

Calcium carbonate	
Registration number (REACH)	01-2119486795-18-XXXX
Index	---
EINECS, ELINCS, NLP	207-439-9
CAS	471-34-1
content %	
Classification according to Regulation (EC) 1272/2008 (CLP)	---

3.2 Mixture

n.a.

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measures

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

Inhalation

Supply person with fresh air and consult doctor according to symptoms.

Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.), consult doctor.

Eye contact

Remove contact lenses.

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink. Consult doctor if necessary.

4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

None known

4.3 Indication of any immediate medical attention and special treatment needed

n.a.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Not combustible.

Adapt to the nature and extent of fire.

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

CaCO₃ decomposes in CaO, CO₂ and H₂O.

5.3 Advice for firefighters

Protective respirator with independent air supply.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid build up of dust.

Do not breathe dust.

Avoid inhalation, and contact with eyes or skin.

6.2 Environmental precautions

Page 4 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
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Keep the material dry if possible.
 Cover area if possible to avoid unnecessary dust hazard.
6.3 Methods and material for containment and cleaning up
 Keep the material dry if possible.
 Pick up mechanically and dispose of according to Section 13.
 Fill the absorbed material into lockable containers.
 Flush residue using copious water.
 Avoid contact with strong acids.

6.4 Reference to other sections
 For personal protective equipment see Section 8 and for disposal instructions see Section 13.

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendations

Avoid build up of dust.
 Do not breathe dust.
 Ensure good ventilation.
 Avoid contact with eyes or skin.

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

7.2 Conditions for safe storage, including any incompatibilities

Store product closed and only in original packing.
 Not to be stored in gangways or stair wells.
 Store in a dry place.

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

(GB) Chemical Name	Calcium carbonate	Content %:
WEL-TWA: 4 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust)	WEL-STEL: ---	---
Monitoring procedures: ---		
BMGV: ---	Other information: ---	

(IRL) Chemical Name	Calcium carbonate	Content %:
OELV-8h: 4 mg/m ³ (respirable dust), 10 mg/m ³ (total inhalable dust)	OELV-15min: ---	---
Monitoring procedures: ---		
BLV: ---	Other information: ---	

(GB) Chemical Name	general dust limit	Content %:
WEL-TWA: 10 mg/m ³ (inhal. dust), 4 mg/m ³ (respir. dust)	WEL-STEL: ---	---
Monitoring procedures: ---		
BMGV: ---	Other information: ---	

(IRL) Chemical Name	general dust limit	Content %:
OELV-8h: 10 mg/m ³ (total inhal. dust), 4 mg/m ³ (respir. dust)	OELV-15min: ---	---
Monitoring procedures: ---		
BLV: ---	Other information: ---	

(GB) WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.
 ** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

(IRL) OELV-8h = Occupational Exposure Limit Value (8-hour reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). | OELV-15min = Occupational Exposure Limit Value (15-minute reference period). (IFV) = Inhalable Fraction and Vapour. (I) = Inhalable Fraction. (R) = Respirable Fraction.
 (8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU, 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BLV = Biological limit value | Other information: Carc1A, Carc1B = carcinogenic substance, Cat. 1A or 1B. Muta1A, Muta1B = mutagenic substance, Cat. 1A or 1B. Repr1A, Repr1B = Substances known to be toxic for reproduction, Cat. 1A or 1B. Sk = can be absorbed through skin. Asphx = asphyxiant. Sen = Respiratory sensitizer. BOELV = Binding Occupational Exposure Limit Values. IOELV = Indicative Occupational Exposure Limit Values.

8.2 Exposure controls

Calcium carbonate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m ³	
Consumer	Human - inhalation	Long term, local effects	DNEL	1,06	mg/m ³	

Page 5 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
 Valid from: 08.03.2017
 PDF print date: 20.11.2018
 SCHAEFER PRECAfood® - CaCO₃ PCC
 Calciumcarbonat, gefällt

Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	10	mg/m ³	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	4,26	mg/m ³	

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.
 Applies only if maximum permissible exposure values are listed here.
 Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.
 These are specified by e.g. BS EN 14042.
 BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.
 Wash hands before breaks and at end of work.
 Keep away from food, drink and animal feedingstuffs.
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:
 Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection:
 Protective Neoprene® / polychloroprene gloves (EN 374).
 Protective latex rubber gloves (EN 374).
 Protective PVC gloves (EN 374)
 Minimum layer thickness in mm:
 0,11
 Permeation time (penetration time) in minutes:
 > 480
 Preventative skin protection advisable.
 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions.
 The recommended maximum wearing time is 50% of breakthrough time.

Skin protection - Other:
 Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments).

Respiratory protection:
 If OES or MEL is exceeded.
 Filter P1 (EN 143), code colour white
 Filter P3 (EN 143), code colour white
 Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:
 Not applicable

Selection of materials derived from glove manufacturer's indications.
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Solid, powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	>450 °C (Decomposition)
Initial boiling point and boiling range:	n.a.
Flash point:	n.a.
Evaporation rate:	Not determined
Flammability (solid, gas):	No (Regulation (EC) 440/2008 A.10. (FLAMMABILITY (SOLIDS)))
Lower explosive limit:	n.a.
Upper explosive limit:	n.a.
Vapour pressure:	Product is not volatile.
Vapour density (air = 1):	Not determined
Density:	2,7-2,95 g/cm ³ (20°C)
Bulk density:	Not determined kg/m ³
Solubility(ies):	Not determined
Water solubility:	0,0166 g/l (20°C, OECD 105 (Water Solubility))
Partition coefficient (n-octanol/water):	n.a.
Auto-ignition temperature:	n.a. (Regulation (EC) 440/2008 A.16. (RELATIVE SELF-IGNITION TEMPERATURE FOR SOLIDS))
Decomposition temperature:	>450 °C
Viscosity:	n.a.
Explosive properties:	Product is not explosive.
Oxidising properties:	No
9.2 Other information	
Miscibility:	Not determined
Fat solubility / solvent:	Not determined

Page 6 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
 Valid from: 08.03.2017
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 SCHAEFER PRECAfood® - CaCO₃ PCC
 Calciumcarbonat, gefällt

Conductivity: Not determined
 Surface tension: Not determined
 Solvents content: Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

The product has not been tested.

10.2 Chemical stability

Stable with proper storage and handling.

10.3 Possibility of hazardous reactions

Product reacts with acids and forms CO₂

10.4 Conditions to avoid

Strong heat

Moisture

10.5 Incompatible materials

Acids

10.6 Hazardous decomposition products

Product reacts with acids and forms CO₂

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Calcium carbonate

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat	OECD 420 (Acute Oral toxicity - Fixe Dose Procedure)	
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rat	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	>3	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	Not sensitizing
Germ cell mutagenicity:					OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						No indications of such an effect.
Reproductive toxicity:	NOEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - single exposure (STOT-SE):						No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE):						No indications of such an effect.
Aspiration hazard:						No
Symptoms:						No indications of such an effect.
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	1000	mg/kg bw/d	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	0,212	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90-Day Study)	

SECTION 12: Ecological information

Possibly more information on environmental effects, see Section 2.1 (classification).

Calcium carbonate

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h			Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	No observation with saturated solution of test material.
12.1. Toxicity to daphnia:	EC50	48h			Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	No observation with saturated solution of test material.

GB IRL

Page 7 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
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12.1. Toxicity to algae:	EC50	72h	>14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	14	mg/l	Desmodesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:							Not relevant for inorganic substances.
12.3. Bioaccumulative potential:							Not to be expected
12.4. Mobility in soil:							n.a.
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
12.6. Other adverse effects:							n.d.a.
Toxicity to bacteria:	EC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Toxicity to bacteria:	NOEC/NOEL	3h	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	EC50	21d	>1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Glycine max
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Lycopersicon esculentum
Other organisms:	NOEC/NOEL	21d	1000	mg/kg dw		OECD 208 (Terrestrial Plants, Growth Test)	Avena sativa
Other organisms:	EC50	14d	>1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	NOEC/NOEL	14d	1000	mg/kg dw	Eisenia foetida	OECD 207 (Earthworm, Acute Toxicity Tests)	
Other organisms:	EC50	28d	>1000	mg/kg dw		OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)	
Other organisms:	NOEC/NOEL	28d	1000	mg/kg dw		OECD 216 (Soil Microorganisms - Nitrogen Transformation Test)	
Water solubility:			0,0166	g/l		OECD 105 (Water Solubility)	20°C

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU)

06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

Can, if applicable, be disposed in domestic waste.

For contaminated packing material

Pay attention to local and national official regulations.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

SECTION 14: Transport information

General statements

14.1. UN number: n.a.

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name:

14.3. Transport hazard class(es): n.a.

14.4. Packing group: n.a.

Classification code: n.a.

LQ: n.a.

14.5. Environmental hazards: Not applicable

Tunnel restriction code:

GB IRL

Page 8 of 10
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
 Revision date / version: 08.03.2017 / 0003
 Replacing version dated / version: 17.12.2015 / 0002
 Valid from: 08.03.2017
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Transport by sea (IMDG-code)

14.2. UN proper shipping name: n.a.
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 Marine Pollutant: n.a.
 14.5. Environmental hazards: Not applicable

Transport by air (IATA)

14.2. UN proper shipping name: n.a.
 14.3. Transport hazard class(es): n.a.
 14.4. Packing group: n.a.
 14.5. Environmental hazards: Not applicable

14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Non-dangerous material according to Transport Regulations.

SECTION 15: Regulatory information

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

Observe restrictions:
 General hygiene measures for the handling of chemicals are applicable.

15.2 Chemical safety assessment

No chemical safety assessment was carried out.

SECTION 16: Other information

Revised sections: 1

Registration/listing status:

EU:
 ECOIN CAS: 471-34-1
 EINECS: 207-439-9
 USA:
 TSCA CAS: 471-34-1 -- GRAS (Generally Recognized As Safe-FDA)
 DOT, FDA, FIFRA, OSHA, STATE
 AUSTRALIA:
 ACOIN CAS: 471-34-1
 CANADA:
 DSL CAS: 471-34-1
 NEW ZEALAND:
 NZIoC
 PHILIPPINES:
 PICCS
 JAPAN:
 ENCS No.: 1-122
 KOREA:
 ECL Serial No.: KE-04487
 CHINA:
 IECS
 SWITZERLAND:
 Swiss No.: G-7458
 MEXICO:
 INSQ
 MALAYSIA:
 EHS

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

Any abbreviations and acronyms used in this document:

AC Article Categories
 acc., acc. to according, according to
 ACGIH American Conference of Governmental Industrial Hygienists
 ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
 AOEL Acceptable Operator Exposure Level
 AOX Adsorbable organic halogen compounds
 approx. approximately
 Art., Art. no. Article number
 ATE Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
 BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
 BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
 BCF Bioconcentration factor
 BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
 BHT Butylhydroxytoluol (= 2,6-Di-*t*-butyl-4-methyl-phenol)
 BMGV Biological monitoring guidance value (EH40, UK)
 BOD Biochemical oxygen demand
 BSEF Bromine Science and Environmental Forum
 bw body weight
 CAS Chemical Abstracts Service

CEC	Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques
CIPAC	Collaborative International Pesticides Analytical Council
CLP	Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance
EC	European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms
EPA	United States Environmental Protection Agency (United States of America)
ERC	Environmental Release Categories
ES	Exposure scenario
etc.	et cetera
EU	European Union
EWC	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test - Chorionallantoic Membrane
HGWP	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitory concentration
IMDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDLo	Lethal Dose Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available
NIOSH	National Institute of Occupational Safety and Health (United States of America)
NOAEC	No Observed Adverse Effective Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ODP	Ozone Depletion Potential
OECD	Organisation for Economic Co-operation and Development
org.	organic
PAH	polycyclic aromatic hydrocarbon
PBT	persistent, bioaccumulative and toxic
PC	Chemical product category
PE	Polyethylene
PNEC	Predicted No Effect Concentration
POCP	Photochemical ozone creation potential
ppm	parts per million
PROC	Process category
PTFE	Polytetrafluorethylene
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No.	9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure Activity Relationship
SU	Sector of use
SVHC	Substances of Very High Concern
Tel.	Telephone



Page 10 of 10
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II
Revision date / version: 08.03.2017 / 0003
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ThOD Theoretical oxygen demand
TOC Total organic carbon
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC Volatile organic compounds
vPvB very persistent and very bioaccumulative
WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL =
Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO World Health Organization
wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

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