

SAFETY DATA SHEET



according to Regulation (EC) No. 1907/2006

6405401 CCN FUTTERKALK STM

Version 1.0

Revision Date 27.09.2012

Print Date 13.08.2013

CLP_EU

1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Trade name : Penergetic-gkf
Product code : 222C
Manufactured by : Penergetic Int. AG
Romanshornerstr. 24
CH- 8592 Uttwil (Switzerland)

Product description

Substance name : Calciumcarbonat GCC coarse powder
Presentation : 2,5 kg / 10 kg

Characteristics : Supplement for liquid pig manure and slurry

Expiry date : 5 years from date of manufacture

Use instruction : Initial dosage : 2 kg per 100 m³
Subsequent applications: 5 – 10 gr per LSU weekly or 1 kg per 100 m³ of additional liquid manure

Process description

OV1: Preparing production Penergetic-gkf 222
OV2: Withdrawing the formula of Penergetic-gkf 222
OV3: Bringing in the raw materials
OV4: Bringing in the data plates
OV5: Putting the right packing under the filling machine
OV6: Starting the automatic process of data dotation
OV7: Closing the packing
OV8: Fitting the labels

Description of monitoring

M1: Checking the formula and raw material (continuous control)
M2: Checking the data plates (on every production)
M3: Checking the packing material (continuous control)
M4: Checking the labels / Batch No. (on every production)
M5: Control `best before sale data`s

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

Use of the Substance/Mixture : Feed industry
Mixing, Filling
Raw material for animal feed.

Recommended restrictions on use : Reserved for industrial and professional use., Other industries not mentioned are excluded.

Details of the supplier of the safety data sheet

Company : E. Merkle GmbH & CO. KG
Altental
89143 Blaubeuren
Telephone : +49734496010
Telefax : +497344960111
Emergency telephone number : +41613192837
E-mail address : Sdb.ch@omya.com
Lead Organisation : Omya International Ltd, Group Regulatory Affairs, 4665 Oftringen,
Switzerland. In order of Eduard Merkle GmbH & Co. KG

2. Hazards identification

Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

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

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Labelling according to EC Directives (1999/45/EC)

Further information : The product does not need to be labelled in accordance with EC directives or respective national laws.

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Other hazards

No information available.

3. Composition/information on ingredients

Substances

No dangerous ingredients according to Regulation (EC) No. 1907/2006

WEL substance :		
limestone	1317-65-3 215-279-6	>= 85 - < 100

4. First aid measures

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.
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.

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5. Firefighting measures

Extinguishing media

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

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid dust formation.

Environmental precautions

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up

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

7. Handling and storage

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.

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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.

German storage class : 13 Non Combustible Solids

Other data : Keep in a dry place.
No decomposition if stored and applied as directed.

8. Exposure controls/personal protection

Control parameters

Germany

Contains no substances with occupational exposure limit values.

France

Components	CAS-No.	Value	Control parameters	Update	Basis
limestone	1317-65-3	VME	10 mg/m ³	2007-12-01	FR VLE

Switzerland

Components	CAS-No.	Value	Control parameters	Update	Basis
limestone	1317-65-3	TWA	3 mg/m ³	2007-01-01	CH SUVA

Italy

Contains no substances with occupational exposure limit values.

Sweden

Contains no substances with occupational exposure limit values.

Norway

Contains no substances with occupational exposure limit values.

Finland

Components	CAS-No.	Value	Control parameters	Update	Basis
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limestone	1317-65-3	HTP- arvot 8h	10 mg/m ³	2007-08-09	FI OEL
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United Kingdom

Components	CAS-No.	Value	Control parameters	Update	Basis
limestone	1317-65-3	TWA	10 mg/m ³	2007-08-01	GB EH40
		TWA	4 mg/m ³	2007-08-01	GB EH40

Austria

Contains no substances with occupational exposure limit values.

Exposure controls

Personal protective equipment

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).

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

General advice : No special environmental precautions required.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state : solid at 20 °C (1.013 hPa)

Form : powder

Odour : characteristic

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Colour	:	light grey /whiteish
Flash point	:	does not flash
Flammability (solid, gas)	:	The product is not flammable.
Burning number	:	1
pH	:	8,5 -9,5 at 100,00 g/l 20 °C Method: DIN-ISO 787/9
Melting point/range	:	> 800 °C at 1.013 hPa
Boiling point/boiling range	:	
Vapour pressure	:	not applicable
Density	:	2,6 - 2,8 g/cm ³ at 20 °C (1.013 hPa) Method: DIN-ISO 787/10
Water solubility	:	0,014 g/l at 20 °C at 1.013 hPa 0,018 g/l at 75 °C at 1.013 hPa
Partition coefficient: n-octanol/water	:	POW: < 1 estimated

10. Stability and reactivity

Reactivity

Stable under recommended storage conditions.

Chemical stability

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No decomposition if stored and applied as directed.

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).

Conditions to avoid

Conditions to avoid : no data available

Hazardous decomposition products

Thermal decomposition : > 600 °C

11. Toxicological information

Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 Oral: >5.000 mg/kg
Species:rat

Skin corrosion/irritation

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

Serious eye damage/eye irritation

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

Respiratory or skin sensitization

Sensitisation : no data available

Further information : no dataavailable

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12. Ecological information

Toxicity

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

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

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

Persistence and degradability

Biodegradability : not applicable

Other adverse effects

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).

13. Disposal considerations

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.

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14. Transport information

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

Major Accident Hazard Legislation : 96/82/EC Update: 2003
Directive 96/82/EC does not apply

Water contaminating class : nwg not water endangering
(Germany) 317
VwVwS
ZDE_WGK Update: 2009-07-27

Other regulations : Basic Food Regulation (RE (EC) No 178/2002)

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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