

Safety data sheet

Pursuant to regulation (EC) no. 1907/2006

Trade name: product from natural calcium carbonate

Revised: 7/22/2009

Version: 335-3

Date printed: 8/17/2009

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1. Relationship of the substance and/or the formulation and trade name

Trade name

K4plus in the graduations 10-15-20-30-45

Substance use / Formulation

Separating and test dust

Manufacturer / Supplier

KSL staubtechnik gmbh

Street/PO Box/ country code/zip/city

Westendstrasse 11

D - 89415 Lauingen

Contact point for technical information

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Emergency information

+49 (0) 9072 / 95 00 - 0

2. Possible hazards

Hazard indication

none

Additional hazard notices for human and environment

Based on available data on naturally pure calcium carbonate, the product presents no danger to either humans or the environment.

3. Summary/Details concerning components

Chemical characterization

Naturally pure calcium carbonate- CaCO_3

EC number: 215-279-6 **CAS number:** 1317-65-3

Hazardous ingredients

none

Substances with prescribed EC threshold values

none

4. First aid measures

General notices

It is recommended that a physician be consulted if symptoms occur. Inform physician of substance/product and measures taken.

After inhalation

Get to fresh air. It is recommended that a physician be consulted if symptoms occur.

After skin contact

Wash off with water.

After eye contact

Flush generously with water. It is recommended that a physician be consulted in case of irritation.

After swallowing

Treat symptoms. It is recommended that a physician be consulted.

Notices for physicians

No data available.

5. Firefighting measures

Appropriate extinguishing agent

not necessary

Inappropriate extinguishing agent

not necessary

Special substance-related hazard or the formulation itself, its combustion products or originating gases.

none

Special protective gear for firefighting

not necessary

Additional notices

No measures are necessary because the substance is not combustible.

6. Measures during unintended release

Personnel-related precautions

Use constant ventilation to avoid dust distribution in the air above the maximum workplace concentration. Use appropriate protective gear (see item B).

Environmental protection measures

Avoid contact with acids.

Cleaning / collection procedures

Vacuum or gather the substance mechanically and collect in containers provided according to local regulations for disposal. Avoid generating dust.

Additional notices

none

7. Handling and storage

Notices concerning safe handling

Avoid dust formation and deposit.

Notices concerning fire and explosion protection

none

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Further notices

none

Data concerning storage conditions

Store container in dry area. Do not store together with acids.

Storage area and container requirements

Store dry and sealed in original container if possible.

Storage class VCI: 13

Intended uses

Convenient and economical application in appropriate powder devices depending on intended use.

8. Limitation and monitoring of exposure / personal protective gear

Exposure threshold values in the workplace and/or biological threshold values

Workplace threshold values (WTV) Germany

Specification: naturally pure calcium carbonate- CaCO₃

CAS number: 1317-65-3

Value: see peak limit

Peak limit: respirable dust content: max. 10,0 mg/m³

alveolar dust content: max. 3,0 mg/m³

Tetratogenic: no

The European Union's occupational exposure limit values

Specification: not specified

Short-term value (STEL): not specified

Long-term value (8 h TWA): not specified

"Skin" notice: see 11.

Limitation and monitoring of exposure

Recommended measuring procedures for workplace measurements: see workers' compensation publication series.

Personal protective gear

Personal protective gear is not required. A proper breathing mask is to be selected and worn during heavy dust generation.

Breathing protection

Install effective aspiration and / or sufficient ventilation. A P2 or P3 (recommended) breathing protection filter is to be worn during heavy dust generation.

Hand protection

none

Eye protection

none

Body protection

none

Work hygiene details

Do not eat or drink in the workplace. Adhere to professional hygiene measures. Temporary skin protection with skin protection salve

Environmental protection measures

See articles 6 and 7. No further measures necessary.

9. Physical and chemical properties

State of aggregation:	solid
Color:	white
Odor:	odorless
Explosion hazard:	not explosive
Lower explosion limit:	none
Upper explosion limit:	none
Vapor pressure:	not applicable
Relative density:	2.6 - 2.8 (20° C)
Flow time:	not applicable
Water solubility:	0,014 g/l (20° C) / 0,018 g/l (75° C)
Partition coefficient:	n-octanol/water >1 (estimate)
pH value:	8.5-9.5 (100 g/l at 20° C)
Boiling point/range:	not applicable
Melting point:	1340° C (102 bar)
Flashpoint:	not applicable
Ignition temperature:	not applicable
Thermal dissociation:	over 825° C in CaO + CO ₂

10. Stability and reactivity

Conditions to avoid

no recommendations

Substances to avoid

Avoid contact with acids.

Hazardous dissociation products

Can react with acids to form CaO and carbon dioxide CO₂ thereby leading to displacement of oxygen (suffocation hazard)

11. Toxicological details

No toxicological details are available for the product. Due to the fact that calcium carbonate is a mineral in the earth's surface and, in the dissolved state, is a natural, indispensable component of natural water, chronic toxic effects as well as sensitizing effects can be practically ruled out.

Toxicological tests

No data available.

Experiences form practice

No data available.

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Details concerning ingredients

LD50 oral, rat - 5000 mg/kg

12. Environment-related details

Eco-toxicity

No eco-toxicity details are available for the product. In solid form, calcium is a mineral in the earth's surface. In solution, the substance is a natural and indispensable component of naturally occurring water. Adverse consequences for the environment may therefore be ruled out.

Fish toxicity: no data available

Aquatic invertebrates: no data available

Aquatic plants: no data available

Mobility and bioaccumulation potential

no data available

Persistence and degradability

Calcium carbonate cannot be degraded biologically.

PBT properties investigation result

no data available

Other deleterious effects

no data available

13. Notices concerning disposal

Substance / Formulation

Can be disposed of together with domestic waste in compliance with local regulatory directives.

Dispose of larger quantities in compliance with local regulatory directives.

Recommendation

Arrange exact waste categories with the waste management company.

Waste categories pursuant to European waste index regulation (AVV / EWC)

010410 -dust-producing and powdery wastes

Packaging

150106 -mixed packaging appropriate for material recycling

Contaminated packaging

150106 -mixed packaging appropriate for material recycling can be disposed of in compliance with local regulatory directive

14. Transport details

Ground transportation ADR/RID

Sea-going vessel transportation IMDG/GGVSee

Air transportation ICAO-TI and IATA-DGR

The product is not dangerous on any transportation route.

15. Legal provisions

Chemical safety assessment

No safety assessments were carried out.

Designation according to EC directive

The product's code letter(s) and hazard designation(s)

Hazard-definitive components for labeling contain:

Precautionary statements

none

EC regulations

National regulations

The product fulfills national and international criteria, which are given on a separate supplemental data sheet.

Water hazard class: not hazardous to water

Technical instructions air (TI-air): not explicitly mentioned

Statutory order on hazardous incidents (12th ordinance on the implementation of the federal immission control act): mentioned, classified as non-hazardous

Solvent directive (31st ordinance on the implementation of the federal immission control act): not mentioned

Occupational restrictions:

none

16. Miscellaneous details

Further applicable EC directives

see item 15 - EC and national directives

Manufacturer recommended usage restrictions

none

Hazard statements referred to in articles 2 and

none

Miscellaneous notices

We refer to the raw material supplier and/or manufacturer as the most important data and technical information sources. Can be used without harm during the manufacturing of packaging units for comestibles; no antibiotics, bactericides, or fungicides are used during production.

Changes vis-à-vis the last issue

Adaptation pursuant to REACH directive (EC) no. 1907/2006 although natural; milled calcium carbonate does not represent a hazardous substance in the sense of the directive.

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Data sheet issuing division

Quality management

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