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Kraemer & Martin
CHEMIE • PHARMA • FOOD-ADDITIVES

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Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 04.03.2008

Revision: 04.03.2008

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** *Calcium carbonate*

· **Application of the substance / the preparation**

Chemical intermediate

Additive for cosmetic or pharmaceutical preparations

Raw material in the chemical industry.

· **Manufacturer/Supplier:**

Kraemer & Martin GmbH

CHEMIE-PHARMA-FOOD-ADDITIVES

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· **Further information obtainable from:** *Abteilung Qualitäts-/Umweltmanagement*

· **Information in case of emergency:** *+49 (0) 2241-5497-46*

2 Hazards identification

· **Hazard description:** *Not applicable.*

· **Information concerning particular hazards for human and environment:** *Not applicable.*

3 Composition/information on ingredients

· **Chemical characterization:**

· **CAS No. Description**

471-34-1 calcium carbonate

· **Identification number(s)**

· **EINECS Number:** *207-439-9*

4 First aid measures

· **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*

· **After skin contact:**

Generally the product does not irritate the skin.

Wash off with plenty of water. Remove contaminated clothing.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards caused by the substance, its products of combustion or resulting gases:** *Non-combustible.*

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- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Avoid formation of dust.
- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Pick up mechanically.
Send for recovery or disposal in suitable receptacles.

7 Handling and storage

- **Handling:**
- **Information for safe handling:** Use only in well ventilated areas.
- **Information about fire - and explosion protection:** The product is not flammable.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:**
Keep container tightly sealed.
Store in dry conditions.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Do not eat or drink while working.
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Required when dusts are generated.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

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9 Physical and chemical properties

· General Information

Form:	Powder
Colour:	White
Odour:	Odourless

· Change in condition

Melting point/Melting range: 825 (Zers.)°C
Boiling point/Boiling range: Undetermined.

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Product is not flammable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** 2.7-2.9 g/cm³

· **Solubility in / Miscibility with water at 20°C:** ~ 0.014 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Violent reactions possible with: acids, ammonium compounds, fluorine.
- **Dangerous decomposition products:** Reacts with acids forming CO₂

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

Oral	LD50	6450 mg/kg (Ratte/rat)
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· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

12 Ecological information

· **Information about elimination (persistence and degradability):**

Methods for the determination of biodegradability are not applicable to inorganic substances.

· **General notes:**

Generally not hazardous for water

No ecological problems are to be expected when the product is handled and used with due care and attention.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

- **Maritime transport IMDG:**
- **IMDG Class:** -

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Labelling according to EU guidelines:**
The substance is not subject to classification according to EU lists and other sources of literature known to us.
Observe the general safety regulations when handling chemicals.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Abteilung Qualitäts-/Umweltmanagement
- **Contact:** Dipl.-Ing. René Krüger
- * **Data compared to the previous version altered.**

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