



# MATERIAL SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006

Printing date: 06.09.2012

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

### Product identifier

Trade name: **NutriCal CC 450**

Product name: Calcium carbonate

EC No.: 207-439-9

CAS No.: 471-34-1

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

Use of the substance: Pharmaceuticals, food products

### Details of the supplier of the safety data sheet

Calmags GmbH, Stadtkoppel 26, 21337 Lueneburg, Germany

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## 2. Hazards identification

### Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]** not classified as dangerous

**Classification according to Directive 67/548/EEC** not classified as dangerous

### Label elements

**Labelling according to Regulation (EC) No 1272/2008 [CLP]** not applicable

**Other hazards** none

**Results of PBT and vPvB assessment** not applicable

## 3. Composition / information on ingredients

Formula:  $\text{CaCO}_3$   
CAS No.: 471-34-1  
EC No.: 207-439-9  
MG: 100,09 g/mol

## 4. First aid measures

### Description of first aid measures

General information: Remove contaminated, saturated clothing.  
In case of inhalation: Provide fresh air.  
In case of skin contact: Wash with soap and plenty of water.  
In case of eye contact: Rinse opened eye for 10 minutes under running water. In case of eye irritation consult an ophthalmologist.  
In case of ingestion: Rinse out mouth and drink plenty of water. If symptoms persist, consult a doctor.

**Most important symptoms and effects, both acute and delayed** none known

**Indication of any immediate medical attention and special treatment needed** none



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## 5. Fire-fighting measures

### Extinguishing media

*Suitable extinguishing media:*

Coordinate fire-fighting measures to the fire surroundings.

*Unsuitable extinguishing media:*

none

### Special hazards arising from the substance or mixture

Product itself does not burn.

### Advise for firefighters

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## 6. Accidental release measures

### Person-related safety precautions

Avoid formation of dust. Wear suitable protective clothing (see section 8).

### Measures for environmental protection

Do not allow to enter into surface water or drains.

### Methods and material for containment and cleaning up

Collect in a suitable container for proper disposal. Rinse area with sufficient water.

## 7. Handling and storage

### Precautions for safe handling

The usual precautionary measures for handling chemicals should be observed. Provide adequate ventilation when dust is generated.

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, dry, well-ventilated place.

Keep away from acids.

## 8. Exposure controls / personal protection

### Control parameters

Contains no substances with occupational exposure limits.

### Exposure controls

#### *Personal protective equipment*

Respiratory protection

Provide for sufficient ventilation. Wear dust mask when dust is generated.

Hand protection:

Protective gloves (acc. to EN 374)

Eye protection:

Safety glasses

Body protection:

Protective work clothing

Hygiene measures:

General hygienic measures. Wash hands before breaks and after work. Change contaminated clothing.

Safety measures:

The usual precautionary measures for handling chemicals should be observed.

## 9. Physical and chemical properties

Form:

powder

Colour:

white

Odour:

odourless

Trade name NutriCal CC 450

Boiling temperature / boiling range:	not applicable
Melting point / melting range:	decomposition at 825°C
Flash point:	non flammable
Ignition temperature:	not applicable
Upper explosion limit:	not applicable
Lower explosion limit:	not applicable
pH value:	8,5 – 9,5 (ISO 787-9)
density:	2,7 g/cm <sup>3</sup> (ISO 787-10)
Water solubility:	0,014 g/l (20°C)

### 10. Stability and reactivity

<b>Reactivity:</b>	inert
<b>Chemical stability:</b>	chemically stable under normal conditions
<b>Possibility of hazardous reactions:</b>	reacts with acids to form CO <sub>2</sub>
<b>Conditions to avoid:</b>	Temperatures above 825°C (decomposition)
<b>Incompatible materials:</b>	acids
<b>Hazardous decomposition products:</b>	carbon dioxide, calcium oxide

### 11. Toxicological information

#### Information on toxicological effects

*Acute toxicity:*

For classification relevant values: LD 50 (oral / rat): 6450 mg/kg

Eye irritation:	may be slightly irritating
Skin irritation:	not irritating
Sensitisation:	not sensitising

### 12. Ecological information

<b>Ecotoxicity:</b>	not toxic
<b>Persistence and degradability:</b>	not applicable, inorganic substance
<b>Bioaccumulative potential:</b>	no information available
<b>Mobility in soil:</b>	no information available
<b>Results of PBT and vPvB assessment:</b>	inapplicable
<b>Other adverse effects:</b>	With proper handling and use, no ecological problems are to be expected.

### 13. Disposal considerations

*Product/Packaging disposal:*

Dispose of waste according to local applicable legislation.

Waste code product: no information available



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#### 14. Transport information

No dangerous good in sense of transport regulations.

#### 15. Regulatory information

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

##### EU legislation:

##### National regulations

*Water hazard class (Germany):*

Observe in addition any national regulations!

nwg – not hazardous for water (Reg. No. 317, VwVwS)

##### Chemical Safety Assessment:

A chemical safety assessment has not been carried out.

#### 16. Other information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

##### Abbreviations and acronyms:

CLP:	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
EC No:	registration number of the European Inventory of Existing Chemical Substances
PBT:	persistent, bioaccumulative and toxic
vPvB:	very persistent and very bioaccumulative
VwVwS:	Verwaltungsvorschrift wassergefährdender Stoffe

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<b>QUALITY SYSTEMS</b>		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO