

Date of issue: 17.04.2009 Replaces Data Sheet of : 17.07.2007
 *** alterations as compared to previous version; n.ap. = not applicable; n.av. = not available



1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Identification of Substance or Preparation

Trade Name : natural green
 Article No. : n.av.
 Preparation No. : n.av.
 Registration No. : n.av.

1.2 Use of the substance / preparation:

Fertiliser

1.3 Company / Undertaking Identification

1.3.1 Address of the Company / Supplier:
 naturalGreen GmbH, Kölnerstr. 265, D- 51149 Köln
 Telephone : +49-2203-917190, Fax : +49-2203-917929

1.3.2 Responsible :
 Chemie & Vorschrift, Kannheideweg 35, D-53123 Bonn-Duisdorf; E-Mail: info@chemie-vorschrift.de

1.4 Emergency - Telephone

Information Centre Specialising in Symptoms of Poisoning Emergency - Telephone of Company / Undertaking
 Telephone : +49 - 761 - 19 240 Telephone : +49-2203-917190 (08:30 - 16:30)

2 HAZARDS IDENTIFICATION

2.1 For Humans (additional information is given under item 11) :
 Handle in accordance with good industrial hygiene and safety practice.
 Product dust may be irritating respiratory system.

2.2 For the Environment :
 None.

2.3 For Materials:
 None.

3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Chemical Characterisation:

Lime

3.2 Dangerous Ingredients:

CAS - No.	Index - No.	EEC - No.	Material	m% - range	Symbol	R - phrases
471-34-1	n.av.	207-439-9	Calcium carbonate	> 75%	n.ap.	n.ap.

Remarks: Classification and labelling of a product is indicated under item 15.

4 FIRST AID MEASURES

4.1 Inhalation:

Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion.

4.2 Skin Contact :

Use a dry brush to remove dust from skin.

4.3 Eye Contact :

Rinse thoroughly with plenty of water, also under the eyelids.
 Consult a physician if necessary.

4.4 Ingestion :

Clean mouth with water and drink afterwards plenty of water.

4.5 Note to Physician:

Treat symptomatically.

4.6 Special Equipment:

n.av.

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5 FIRE FIGHTING MEASURES

- 5.1 **Suitable Extinguishing Media** : Use dry chemical, CO₂, water spray or "alcohol" foam.
- 5.2 **Extinguishing Media to Avoid** : None.
- 5.3 **Fire and Explosion Hazards** :
In the event of fire carbon oxides may be formed.
- 5.4 **Special Protective Equipment** :
Wear positive pressure self-contained breathing apparatus.
Wear full protective clothing.
- 5.5 **Additional Information** :
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6 ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal Precautions** :
See No. 8.2 Personal Protective Equipment.
Avoid dust formation.
- 6.2 **Environmental Precautions and Methods for Cleaning up** :
Do not contaminate surface water. Do not allow material to contaminate ground water system.
Use mechanical handling equipment. Avoid dust formation. Knock down dust with water spray jet.
- 6.3 **Further Information** : None.

7 HANDLING AND STORAGE (For national regulations refer to item 15.2)

- 7.1 **Handling**
 - 7.1.1 **Precautions for Safe Handling** :
Handle in accordance with good industrial hygiene and safety practice.
 - 7.1.2 **Precautions in Case of Fire and Explosion** :
No special precautions required.
- 7.2 **Storage**
 - 7.2.1 **Storage Instructions** :
Keep in a dry place.
 - 7.2.2 **Store away from** :
Do not store together with oxidizing agents, acids.
 - 7.2.3 **Further Information on Storage Conditions** :
Provide for appropriate exhaust ventilation and dust collection at machinery.
- 7.3 **Specific use(s)**: n.av.

8 Exposure Controls and Personal Protection

- 8.1 **Exposure limit values:**

Material	Limit Value :
Calcium carbonate	TLV dust: 10 mg/m ³ (respirable fraction); 3 mg/m ³ (alveole passing fraction)
- 8.2 **Exposure controls**
 - 8.2.1 **Occupational exposure controls:**
Do not breathe vapours/dust. Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke.
Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.
 - 8.2.1a **Respiratory Protection** : No.
 - 8.2.1b **Hand Protection** : No.
 - 8.2.1c **Eye Protection** : No.
 - 8.2.1d **Skin Protection** : No.
 - 8.2.1e **Further Information** : Refer to special restrictions in wearing protective equipment
 - 8.2.2 **Environmental exposure controls** : n.av.

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Telephone : +49-2203-917190, **Date of issue:** 17.04.2009 **Replaces Data Sheet of :** 17.07.2007**9 Physical and Chemical Properties****9.1 General information**9.1.1 **Form** : powder 9.1.2 **Colour** : grey 9.1.3 **Odour** : odourless**9.2 Important health, safety and environmental information**

9.2.1 pH-value, undiluted : n.ap., pH-value, 1% aqueous solution : 8 - 10

9.2.2 Boiling point / Boiling - range (°C) : n.v.q, Melting point / Melting range (°C) : n.av.

9.2.3 Flash point (°C, c.c.) : n.ap.

9.2.4 Flammability (EEC A10/A13) : No.

9.2.5 Ignition temperature (°C) : n.av.

9.2.6 Autoflammability (EEC A16) : No.

9.2.7 Oxidising properties : No.

9.2.8 Explosion hazard : n.ap.

9.2.9 Explosion limits (Vol.%) lower : n.av., upper : n.av.

9.2.10 Vapour pressure : n.ap.

9.2.11 Density (g/ml) : 2,71

9.2.12 Solubility (in Water) : 16 mg / l

9.2.13 Partition coefficient, n-Octano/Water : n.av.

9.2.14 Viscosity : n.ap.

9.2.15 Solvent separation test : n.av.

9.2.16 Solvent content (m %) : Exempt.

9.3 Other information

9.3.1 Thermal decomposition (°C) : 900

9.3.2 Vapour density (Air = 1) : n.av.

9.3.3 Evaporation rate : n.av.

10 STABILITY AND REACTIVITY**10.1 Conditions to Avoid :**

No hazards to be specially mentioned.

10.2 Materials to Avoid :

Strong oxidizing agents, acids.

10.3 Hazardous Decomposition Products :

No decomposition if used as directed.

10.4 Further Information :

None.

11 TOXICOLOGICAL INFORMATION**11.1 Toxicological Tests :****11.1.1 Acute Health Effects :**Inhalation, LC₅₀ rat, (mg/l/4h) : n.av.Ingestion, LD₅₀ rat, (mg/kg) : n.av.Skin - contact, LD₅₀ rat, (mg/kg) : n.av.

Irritation (to skin / eye) : None.

Sensitisation : n.av.

11.1.2 Subacute / Chronic Toxicity :

Carcinogenicity : n.av.

Mutagenicity : n.av.

Teratogenicity : n.av.

Narcotic Effects : None.

11.2 Practical Experience**11.2.1 Observations relevant for classification :**

None.

11.2.2 Further Observations :

None.

11.3 General Remarks :

Classification of the preparation has been done by calculation in accordance with EEC directives.

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12 ECOLOGICAL INFORMATION

- 12.1 **Ecotoxicity :**
We have no quantitative data concerning the ecological effects of this product.
- 12.2 **Mobility :**
n.av.
- 12.3 **Persistence and degradability:**
The methods for determining the biological degradability are not applicable to inorganic substances.
- 12.4 **Bioaccumulative potential:**
n.av.
- 12.5 **Results of PBT assessment**
n.av.
- 12.6 **Other adverse effects**
- 12.6.1 COD-Value, mg/g : n.av.
- 12.6.2 BOD₅-Value, mg/g : n.av.
- 12.6.3 AOX-Remarks : n.ap.
- 12.6.4 Significant Components : Exempt.
- 12.6.5 Other adverse effects : None.

13 DISPOSAL CONSIDERATIONS (For national Regulations refer to item 15.)

- 13.1 **Residues**
- 13.1.1 Recommendation : D 10 Waste - Code - No. : 02 01 09
In addition comply with the regional authorities.
- 13.1.2 Safe Handling: See item 7 and 15.
- 13.2 **Contaminated Packaging**
- 13.2.1 Recommendation : Wash with suitable cleaner. Otherwise as described under Residues.
- 13.2.2 Safe Handling : As described under Residues.

14 TRANSPORT INFORMATION

- 14.1 **Transportation by Road or Railway according to ADR and RID**

Remarks : Not a dangerous substance as defined in the above regulations.
Name and Description:

Class :	UN - No :	Risklabel:
Classification Code:	Packing Group :	Hazard-No.:
Transport-category:	Limited Quantity:	
- 14.2 **Classification for Transportation by Inland-Navigation according to ADNO**
Remarks : Classification has not been done.
 Class : Division : Category :
- 14.2.1 **Description of Goods :**
- 14.2.2 **Remarks :**
- 14.3 **Classification for Transportation by Vessels according to IMDG**
Remarks : Not a dangerous substance as defined in the above regulations.

Class :	UN-No. :	Packing Group :
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- 14.3.1 **EmS-No. :**
- 14.3.2 **Marine Pollutant :**
- 14.3.3 **Instruction for Declaration and Labelling :**
Proper Shipping Name :
Risk Label :
- 14.3.4 **Remarks :**

