

Natural Green GmbH
Niederkasseler Str.3A, DE-51147 Köln

Safety Data Sheet

Date of issue: 01.01.2020.

Supersedes edition of: -

According to Regulation (EC) No. 1907/2006 (REACH)

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

Identification of the product

Catalogue No.: -

Product name: natural green®

Use of the substance/preparation

Foliar plant booster/enhancer

Company/undertaking identification

Company: Natural Green GmbH, Niederkasseler Str.3A, DE-51147 Köln

Emergency telephone No.: +49 2203 965 88 11

Contact for Your information: e-mail: info@natural-green.ch

2. Hazards identification

No hazardous product as specified in Directive 67/548/EEC.

3. Composition/information on ingredients

natural green®-classic is natural calcite mineral mainly consisting of calcium carbonate (CaCO₃).

CAS-No. (calcium carbonate): 471-34-1

M (calcium carbonate): 100.09 g/mol

Formula Hill (calcium carbonate): CaCO₃

EC-No. (calcium carbonate): 207-439-9

4. First aid measures

After inhalation: Fresh air

After skin contact: Wash off with plenty of water. Remove contaminated clothing.

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After eye contact: Rinse out with plenty of slightly warm water with the eyelid held wide open.

After swallowing: Immediately make victim drink plenty of water. Consult doctor if feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media: In adaption to materials stored in the immediate neighbourhood.

Special risks: Non-combustible.

6. Accidental release measures

Person-related precautionary measures: Avoiding generation of dusts; do not inhale dusts.

Procedures for cleaning / absorption: Take up dry. Forward for disposal. Clean up affected area.

7. Handling and storage

Handling: No further requirements.

Storage: Tightly closed. Dry. Storage temperature: no restrictions.

8. Exposure controls/personal protection

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to the product should be ascertained with the respective supplier.

Respiratory protection: Required when dusts are generated. Filter P 2 (according to DIN 3181) for solid and liquid particles of harmful substances.

Eye protection: Required.

Hand protection: In full contact: Glove material: nitrile rubber
Layer thickness: 0.11 mm
Breakthrough time: >480 min.

In splash contact: Glove material: nitrile rubber

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Layer thickness: 0.11 mm

Breakthrough time: >480 min.

The protective gloves to be used must comply with the specification of EC Directive 89/686/EEC and the resultant standard EN374.

Industrial hygiene: Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Form:	Solid. Fine powder.
Colour:	Pale brown-to-brown.
Odour:	Almost odourless.
pH value (at 100 g/L of water):	7.0-8.0 (slurry)
Melting point:	825 °C (decomposition)
Boiling point:	Not applicable.
Ignition temperature:	Not applicable.
Flash point:	Not applicable.
Explosion limits:	Not applicable.
Vapour pressure:	Not applicable.
Density (20 °C):	2.9-3.0 g/cm ³
Bulk density:	1050-1100 kg/m ³
Solubility in water (20 °C):	0.014 g/L (readily soluble in acidic solutions, at pH significantly lower than 7)
Thermal decomposition:	>825 °C

10. Stability and reactivity

Conditions to be avoided:	Heating.
Substances to be avoided:	Violent reactions with acids, ammonium salts, and fluorine.

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Hazardous decomposition products: No informations available.

11. Toxicological information

Acute toxicity (calcium carbonate): LD₅₀ (oral, rat): 6450 mg/kg (IUCLID)

Subacute to chronic toxicity (calcium carbonate): Sensitization: In animal experiments: negative.

Bacterial mutagenicity: Ames test: negative.

Further toxicological information: According to our own experiences, no toxic effects are to be expected when the product is handled appropriately.

Further data: The product should be handled with care usual when dealing with chemical products.

12. Ecological information

Biological degradation: Methods for the determination of biodegradability are not applicable to inorganic substance.

Behavior in environmental compartments: Concentration in organisms is not to be expected.

Ecotoxic effects: Quantitative data on the ecological effect of this product are not available.

Further ecologic data: Since natural green®-classic is micronized natural calcite mineral, no ecologic problems are to be expected

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when the product is handled and used
with due care and attention.

13. Disposal considerations

Product: The product must be disposed of in compliance with respective national regulations for disposal of fertilizers.

Packaging: The product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol: -

R-phrases: 20/36/37

20 (Harmful by inhalation); 36 (Irritating to the eyes); 37 (Irritating to the respiratory system)

S-phrases: 2/22/25/37/39/46

2 (Keep out of reach of children); 22 (Do not breath dust); 25 (Avoid contact with the eyes); 37 (Wear suitable gloves); 39 (Wear eye/face protection); 46 (If swallowed, seek medical advice immediately and show this container or label)

16. Other information

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Reason for alteration: First edition.

Regional representation: This information is given on the authorised Safety Data Sheet for
Your country.

Important notice

The information given in this document is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.
