

<b>Mairol GmbH</b> 89547 Gussenstadt Germany	<b>Safety Data Sheet</b> in accordance with <ul style="list-style-type: none"> <li>European Parliament and European Council Regulation (EC) No. 1907/2006</li> <li>European Commission Regulation (EU) No. 453/2010</li> <li>European Parliament and EU Council Regulation (EC) No. 1272/2008</li> </ul>
<b>Date of preparation:</b> 23.10.2016	Product: <b>BioGreen</b> - ground marine limestone - standard quality
<b>Date of revision:</b>	

<b>1. Identification of the substance/ mixture and of the company/ undertaking</b>	
<b>1.1 Product identifier</b>  (Trade name of the preparation)	<b>BioGreen</b> <b>- ground marine limestone- standard quality</b>  Product comprising of calcium carbonate as an essential ingredient, obtained by grinding natural limestone of marine origin.  <i>CAS No. EINECS No. REACH registration number- see Section 2 and 3</i>
<b>1.2 Relevant identified uses of the substance or mixture and uses advised</b>	Lime fertilizer containing trace elements to support the process of photosynthesis and crop growth.
<b>1.3 Details of the supplier of SDS</b>	Mairol GmbH 89547 Gussenstadt Germany Tel.: +49 7323 9613 0, Fax: +49 7323 9613 13 Email: info@mairol.de
<b>1.4 Emergency telephone number</b>	Mairol GmbH Tel.No.: +49 7323 9613 0 Fax: +49 7323 9613 13 email: info@mairol.de
<b>2. Hazards Identification</b>	
<b>2.1 Classification of the substance or mixture</b>	The product <b>BioGreen</b> is made of ground limestone. It is a natural substance in accordance with Annex IV of the Regulation of the European Parliament and Council (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) covered by the exemption from registration duty in accordance with Article 2. (7)(a). Substance is not included in Table 3.1 of Annex VI of EC Regulation no. 1272/2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) No. 1907/2006 and has not prescribed "harmonized" classification in accordance with this Regulation.
<b>2.2 Label elements according to (EC) No.1272/2008</b>	<b><u>GHS classification:</u></b> The substance does not need a prescribed classification according to Regulation (EC) No. 1272/2008 Producer of raw materials classified the substance in its sole discretion as follows: <b>GSH</b> pictograms: Not applicable <b>Signal word:</b> Not applicable <b>Hazard warning:</b> Not applicable  <b>Safety warning precaution:</b> P 280: Wear protective gloves/protective clothing/eye protection <b>Safety warning - response:</b> Not applicable <b>Safety warning - storage:</b> Not applicable <b>Safety warning - disposal:</b> Not applicable
<b>2.3. Other hazards</b>	Not specified
<b>3. Composition/ information on ingredients</b>	

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<b>3.1 Substances</b>		<b>Trade Name: BioGreen</b> <b>Composition:</b> calcium carbonate as an essential ingredient Neutralizing value: Min.30 Total content of CaO = min.30%	
<b>3.2 CAS, IUPAC, EINECS Nos</b>		CAS No: 1317-65-3 limestone EINECS No: 215-279-6 Molecular weight: not specified	
<b>4. First Aid Measures</b>		If any ailments are manifested or in case of any doubts, physician should be informed thereon and receive information according to the SDS	
<b>Type of hazard</b>	<b>Acute danger</b>	<b>Prevention</b>	<b>First aid</b>
Aspiration	Not specified.	By means of the technical measures ensure that the NPEL of dust does not exceed 5 mg / m <sup>3</sup> in the closed rooms (warehouses). Where impossible to ensure temporarily these conditions, it is necessary to protect respiratory track with anti-dust respirator.	Fresh air, and seek medical advice.
Skin	It does not represent any risk after repeated skin applications and it is not absorbed by skin in harmful quantity.	Wear protective gloves and protective clothing.	Wash the affected area with water and soap.
Eyes	Mild and short-term irritation of the conjunctiva mucosa.	Wear protective glasses.	Wash the eyes with huge amount of water for several minutes, and seek medical advice.
Ingestion	Not specified.	Do not eat and drink at the workplace. After work completion wash your hands.	Drink 0.5 l of drinking or lukewarm water with suspension of the activated charcoal. Seek medical advice.

<b>5. Firefighting measures</b>	
<b>Fire</b>	Material is inflammable
<b>5.1 Extinguishing Media</b>	To be adapted to the substances stored in their close proximity.
<b>5.2. Special hazards arising of the substance of media</b>	not specified
<b>5.3. Advice for fire fighters</b>	not specified
<b>5.4. Other information</b>	not specified
<b>6. Accidental Release measures</b>	
<b>6.1 Personal precautions, protective equipment and .... emergency procedures</b>	Personal precautions (safety measures for protection of persons): Avoid dust formation, do not inhale dusts. Avoid contact with eyes (protect the skin, eyes emergency procedures and mucous membranes, wear protective clothing, boots, gloves and goggles).
<b>6.2. Environmental precautions</b>	Ground limestone is a certified soil adjuvant (without other additives) and it can be incorporated in the soil. Ground limestone does not contaminate surface

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	water. Avoid introduction in drinking water.
<b>6.3. Methods and material for containment</b>	Residues of ground limestone (without other additives) can be mechanically incorporated in the soil in a controlled mode. Avoid creating dust. After their thorough emptying, used product packaging should be submitted in separate collection or approved incinerators.
<b>7. Handling and Storage</b>	
<b>7.1 Precautions for safe handling</b>	From the view of occupational safety and health protection the employees must use personal protective safety equipment during manufacturing of the preparation and application thereof, working environment, during manufacturing of and handling with the preparation must be secured so as the dust NPEL isn't exceeded in the atmosphere the employees must be informed about the product, and follow occupational health and environment protection principles
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	The product must be stored in original sealed and closed containers in dry, hygienically clean, well ventilated and closed storages, away from foodstuff. In case of small consumer packages store separately from pharmaceuticals and disinfectants. If the product is transported in bulk (in tanks), it shall be stored in designated silos or immediately incorporated into the soil.
<b>8. Exposure Controls / Personal Protection</b>	
<b>8.1 Control Parameters</b> Base: N/A, Value: N/A, Limit Value: N/A Exposure limit value: N/A	
<b>8.2 Exposure controls - Personal protective safety equipment:</b> Dust NPEL (for calcium carbonate) for working environment - 10 mg /m3. Workplaces shall be dedusted or ventilated in to ensure maximum dust concentration 10 mg / m3 in air. Where it is impossible to ensure such conditions temporarily, personal protective equipment (overalls and boots, dust filter respirator, rubber gloves, goggles) shall be used to protect the respiratory tract, skin and eyes. Wash hands with soap and water after work completion.	

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<b>9. Physical and Chemical Properties</b>	
<b>9.1 Information on basic physical and chemical properties</b>	
State at 20 °C	solid
Color	grey
Aroma, malodor	no aroma or malodor
pH	8-10
Melting / solidif. temperature	N/A
Flash point	N/A
Ignition temperature	N/A
Explosion limits (% vol. in the air )	N/A
Specific weight	N/A
Oxidation properties	N/A
Steam pressure	N/A
Solubility	N/A
Solubility in water	N/A
Distribution coefficient n-octane / water	N/A
Viscosity	N/A
<b>9.2 Other information</b>	
Miscibility	N/A
Fat solubility	N/A
Conductivity	N/A
Oxidizing-reduction potential	N/A
Potential of creation of radicals	N/A
Photo-catalytic properties	N/A
<b>9.3 Stability and reactivity</b>	
Reactivity	
Chemical stability	N/A
Possibility of hazardous reactions	N/A
Conditions to avoid	N/A
Incompatible materials	Strong oxidizing agents, acids
Hazardous decomposition products	N/A
<b>10. Toxicological information</b>	
Acute toxicity of substances in mixture	LD50 rat: 6,450 mg/kg CaCO <sub>3</sub> (IUCLID)
Eye irritability	Rabbit, result: No eye irritation (LIT)
Skin irritability	N/A
Influence on live organisms	N/A
Effects on live organisms	N/A
skin corrosion/irritation	N/A
serious eye damage/irritation	N/A
respiratory or skin sensitisation	N/A
germ cell mutagenicity	N/A
carcinogenicity	N/A
reproductive toxicity	N/A
STOT-single exposure	N/A
STOT-repeated exposure	N/A
aspiration hazard	N/A
Other Information	Other hazardous features cannot be excluded. The product should be handled with the same caution as chemicals Abide by the principles of industrial hygiene, health and safety at work

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<b>11. Disposal Considerations</b>	Waste disposal - mechanically. Remnants of limestone (without other additives) can be incorporated in the soil, since ground limestone is a certified soil adjuvant.
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<b>12. Transport information</b>	
Sea transport (IMDG): UN No.: UN proper shipping name: Transport hazard class (es): Packing group: Environmental hazards: Special precautions for user: Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	N/A
Land transport (ADR): UN No.:UN proper shipping name: Transport hazard class(es): Packing group:Environmental hazards: Special precautions for user: Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:	N/A
Railway transport (RID): UN No.: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user: Transport in bulk	N/A
Air transport (ICAO/IATA): UN No.: UN proper shipping name: Transport hazard class(es): Packing group: Environmental hazards: Special precautions for user: Transport in bulk	N/A
The product is not assessed as hazardous under transport regulations	

## 15. Regulatory Information

### 15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

Act of the SR National Council No. 67/2010 Coll. on the conditions for marketing chemical substances and chemical preparations as amended (the Chemical Act)

Government Regulation No. 355/2006 on the protection of workers against risks related to exposure to chemical factors at work, as amended,

Regulation of the EU Parliament and EU Council (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), as amended

EU Commission Regulation (EU) No. 453/2010 amending the Regulation of the European Parliament and Council (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Regulation of the EU Parliament and Council (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures, amending the Directives 67/548/EEC and 1999/45/EC, and Regulation (EC) No. 1907/2006.

Act No. 223/2001 on Waste as amended, and the implementing decrees to the Act

### 15.2 Chemical Safety Assessment: Not applicable

## 16. Other information

SDS contains data necessary for occupational health and environmental protection assurance. The above

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mentioned data correspond to the current state of knowledge and experience and is in conformity with legislation. Specific conditions of the product usage by the consumer, however, are beyond the reach of our surveillance and control. The customer is solely responsible for compliance with the safety regulations.

a) **Revision of the SDS:** SDS was newly prepared  
 (23/10/2015)

- **Reason for Revision:**
- **marking sections where changes have been made:**

b) **Key or legend to abbreviations used in SDS:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Transport of Dangerous Goods by Road)

RID - Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulation on the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for dangerous goods IATA: International Air Transport Association

IATA - DGR: Conditions for the transport of dangerous goods by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by "International Civil Aviation Organization" GHS - Globally Harmonized System of Classification and Labeling of Chemicals EINECS: European Inventory of Existing Chemical Substances

CAS: Chemical Abstracts Service - abbreviation of a company division of the American Chemical Society that is a source of chemical information

SDS – Safety Data Sheet

c) **Key literature references and data sources:**

- EU Commission Regulation (EU) No. 453/2010 amending the Regulation of the European Parliament and EU Council (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Available Chemical Databases

d) **Mixtures assessment method pursuant to Art.9 of Regulation (EC) No. 1272/2008:** NA

e) **List of relevant hazard and/or precautionary statements:**

P 280: Wear protective gloves/protective clothing/eye protection

f) **Training advice: Provide adequate information, instruction and training for operators**

This SDS was prepared according to:

- Regulation of the European Parliament and Council (EC) No. 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), as amended
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Chemicals (REACH)

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