

# Material Safety Data Sheet

In accordance with Regulation (EC) No. 1907/2006



Trade name : **X131002 Fertilizer sticks for Orchids**

Revised on : 21.10.2019 Version : 1

Print date : 21.10.2019

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## 1. Identification of the substance and/or the compound and the company

### 1.1 Product identifier

Trade name: Sticks for ORCHIDS

Other Names: Mineral NPK-Fertilizer 15+7+8 with magnesium and trace nutrients

### 1.2 Relevant identified applications of the substance or compound and applications to be avoided

Application of substance /  
preparation: Fertilizer

### 1.3 Details for supplier providing safety data sheet

Company: BLUMEN GROUP SPA  
via Carlo Strinati 7/9  
29122 Loc. Le Mose Piacenza

Telephone: +39 0523 573211  
e-mail: [msds@blumen.it](mailto:msds@blumen.it)

Responsible for the safety data sheet:  
Company: Düngemittelwerk COSWIG GmbH  
Antonienhüttenweg 24  
06869 Coswig (Anhalt)

Telephone: (034903) 697-0  
Fax: (034903) 697-30  
e-mail: [zentrale@dmw-coswig.de](mailto:zentrale@dmw-coswig.de)

### 1.4 Emergency telephone number

Poison emergency contact Germany Tel.: +49-30-19 24 0  
Fax: +49-30-30 68 6-7 99  
e-mail: [berlintox@giftnotruf.de](mailto:berlintox@giftnotruf.de)  
www: <http://www.giftnotruf.de>

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## 2. Possible hazards

### 2.1 Categorization of substance or compound

#### Categorization according to regulation (EC) No. 1272/2008

The product is not not categorized and identified.

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## 2.2 Identifying details

### Identification according to regulation (EC) No. 1272/2008

The product is not categorized and identified

## 2.3 Other hazards

- Ignition of the decomposition products of the organic bonding agent occurs when high heat applied.  
Flame extinguishes when source of ignition is removed.

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## 3. Composition/ information on contained substances

### 3.1 Substances

Not applicable. The product is a mixture.

### 3.2 Mixtures

NPK-fertilizer on the basis of nitrogen, phosphor and potassium compounds as well as trace element compounds. Organic bonding agents are also contained.

#### Hazardous contents

Chemical name	CAS-No.	EC-No.	REACH-Registration-No.	Categorization (EC) 1272/2008	Concentration [%]

Does not contain health-hazardous or environmentally-hazardous substances pursuant to regulation (EC) No. 1272/2008 in single concentrations > 1% of weight, and substances that are persistent, bioaccumulable and toxic in single concentrations > 0.1% of weight.

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## 4. First Aid measures

### 4.1 Description of first aid measures

Inhalation: inapplicable

Skin contact: inapplicable

Eye contact: rinse generously with water

Swallowed: rinse mouth and drink generous amounts of water;  
consult doctor at signs of illness

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## 4.2 Most important acute or delayed symptoms and effects

Effects: No additional information available.

## 4.3 Information on medical first aid or special treatment

Treatment: Treat according to symptoms

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## 5. Fire-fighting measures

### 5.1 Extinguishing agent

Suitable extinguishing agent: Water

Unsuitable extinguishing agent: Select extinguishing agent according to surrounding fire

### 5.2 Particular hazards generated by substance or compound.

Particular hazards upon extinguishing of fire:

Product is not flammable. Hazardous decomposition products may be released at temperatures higher than 130 °C.  
nitrogen monoxide, nitrogen dioxide, nitrous oxide,  
ammonia

### 5.3 Instructions on fire extinguishing

Special protective equipment for fire extinguishing: Wear respiratory protection apparatus that is independent of circulating air.

Additional instructions: Remaining fire and contaminated water used for extinguishing fire must be disposed of according to local regulations.

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## 6. Measures to combat unintentional release

### 6.1 Person related cautionary measures, protective gear and procedures to deal with emergencies.

Person-related cautionary measures: none

### 6.2 Environmental protection measures

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Environmental protection measures: Do not allow product to enter sewerage system, bodies of surface water or ground water.

## 6.3 Methods and materials for retention and cleaning

Cleaning procedures / Uptake: Mechanical uptake, in suitable recovery or disposal containers.

## 6.4 Reference to other articles

Additional information

Guidelines on safe handling see article 7.

Guidelines on protective equipment and hygienic measures see article 8.

Guidelines on disposal see article 13.

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## 7. Handling and storage

### 7.1 Protective measures for safe handling

Guidelines on safe handling: No special measures required if applied appropriately

Guidelines on fire and explosion protection: The product is not flammable.

Hygienic measures: Keep away from food and beverages.  
Avoid lengthy and intense contact with skin.  
Avoid contact with eyes.

### 7.2 Conditions for safe storage with consideration of intolerances

Information on storage conditions: Keep dry.  
Keep away from direct sunlight.

Requirements for storage rooms and containers: Store only in original container.  
Keep dry.  
Protect from dirt and other contaminants.

LGK 13 (Not flammable solids)

### 7.3 Specific end uses

No further recommendations.

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## 8. Limitations and monitoring of exposure / Personal protective equipment

### 8.1 Parameter to be monitored

Exposure limits unavailable.

### 8.2 Limitations and monitoring of exposure

Contains no elements with workplace related limitations requiring monitoring.

### Personal protective equipment

Protective equipment: Not required.

Hygienic measures: Keep away from food and beverages.  
Avoid lengthy and intensive skin contact.  
Avoid contact with eyes.

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## 9. Physical and chemical characteristics

### 9.1 Information on basic physical and chemical characteristics

aggregate state:	solid
colour:	red
odour:	odourless
odour threshold:	undetermined
pH-value:	6 to 8 (suspension of 50 g/l water)
freezing point:	not applicable
boiling point:	not applicable
flash point:	not applicable
evaporation rate:	not applicable
flammability:	not applicable
upper/lower explosion limits:	not applicable
vapour pressure:	not applicable
vapour density:	not applicable
relative mass:	not applicable
solubility in water:	partially soluble
partition coefficient:	
n-octanol/water:	not applicable
spontaneous combustion temperature:	not applicable
decomposition temperature:	undetermined
viscosity:	undetermined
explosive characteristics:	no explosion hazard
oxidising characteristics:	not oxidise

### 9.2 Other information

fire accelerating

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characteristics: not fire accelerating  
mass: approximately 1.2 g/cm<sup>3</sup> (at 20°C)

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## 10. Stability and reactivity

### 10.1 Reactivity

Circumstances to be avoided: Keep fertilizer sticks dry at all times.

Substances to be avoided: Heavy leaching (releases ammonia)

### 10.2 Chemical stability

The product is stable under normal ambient conditions and at the recommended temperature and pressure conditions in storage and handling.

see article 9.1

### 10.3 Possibility of hazardous reactions

Hazardous reactions: Heavy leaching will release ammonia.

### 10.4 Conditions to be avoided

Conditions to be avoided: Keep fertilizer sticks dry at all times.

### 10.5 Incompatible materials

Substances to be avoided: Heavy leaching (release of ammonia)

### 10.6 Hazardous decomposition products

Hazardous decomposition products: Nitrogen monoxide, nitrogen dioxide, nitrous oxide, ammonia

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## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity: undetermined  
Respiratory or skin sensitization: slightly irritating  
Serious eye damage/eye irritation: slightly irritating  
Germ cell mutagenicity: undetermined  
Carcinogenicity: undetermined

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Reproductive toxicity:	undetermined
Teratogenicity:	undetermined
STOT – repeated exposure:	undetermined
STOT – single exposure:	undetermined
Aspiration hazard:	undetermined

Experience gained through practical application: No observations have been made that indicate hazardous qualities.

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## 12. Environmental information

### 12.1 Toxicity

Ecological toxicity Slightly hazardous to water.  
Do not allow substance to enter the groundwater, surface water or sewerage system in undiluted form or in large quantities.

### 12.2 Persistency and biodegradability

Persistency and biodegradability: Biologically degradable

### 12.3 Bioaccumulation potential

Bioaccumulation potential: No bioaccumulation

Other ecological information: High probability of not being acutely hazardous for water organisms. An increase in the toxic effect on aquatic organisms is to be expected at higher pH levels, such as are naturally found in bodies of water.

### 12.4 Mobility in the soil

No further relevant information available

### 12.5 Results of the PBT and vPvB assessments

Not applicable

### 12.6 Other hazardous effects

Do not release substance in large quantities or undiluted into the groundwater, surface water or the sewerage system.

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## 13. Instructions on disposal

### 13.1 Procedures for handling of waste

Product: Do not dispose with household garbage. Do not release into the sewerage system.  
The product is to be used as a fertilizer. The possibility of an agricultural application should be investigated before landfilling.

Contaminated packaging: Disposal in accordance with official regulations. Containers with remainder of product removed may be reused or recycled after cleaning with water.

Product waste code: 02 01 09: Waste from chemicals for agriculture with the exception of those that fall under 02 01 08.

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## 14. Instructions on transport

**14.1 UN-Number**  
not applicable

**14.2 UN compliant packaging**  
not applicable

**14.3 Transport hazard classes**  
not applicable

**14.4 Packaging group**  
not applicable

**14.5 Environmental hazards**  
not applicable

### 14.6 Particular cautionary measures for transport

See Sections 6 to 8

### 14.7 Bulk material transport in accordance with addendum II of the MARPOL-Agreement and the IBC-Code

No transport as bulk cargo pursuant to IBC-Code



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## 15. Legal provisions

**15.1 Regulations on safety, health, and environmentally-specific lawful regulations for the substance or compound.**

### Identification according to regulation (EC) No. 1272/2008

The product is not subject to required labelling.

### National regulations

Water hazard class: WGK 1, slightly hazardous to water

Technical instructions - air: not subject to regulation

Hazardous incidents ordinance: not subject to regulation

Limitations of use: none

Hazardous materials regulations: not subject to regulation

Other regulations: none

### 15.2 Substance safety evaluation

No safety evaluation has been undertaken for the compound.

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## 16. Other information

The information provided in this safety data sheet reflects our knowledge and experience to the best of our understanding. It describes our product with regard to safety requirements but does not reflect a guarantee of any particular qualities. The information is not applicable to other products.

Changes from the last version: not applicable

### Data sources used to compile data sheet:

REACH-regulation (EC) No. 1907/2006

Regulation (EC) No. 1272/2008 CLP regulation

**Complete version of the R- H- and EUH clauses itemized in articles 2 and 3. (if not already listed in these articles).**

### Pursuant to regulation (EC) No. 1272/2008

not applicable

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