

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) 1907/2006

Trade Name: BIONI SYSTEM Component G50.1 (Powder component)
Revision Date: 15.07.2018
Print date: 15.07.2018

Date Sheet-No.: BSG50-DC
Product Code: 190347D

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

1.1. Product Name

BIONI SYSTEM Component G50.1 (Powder component)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Base Coat for pretreatment of surfaces with mould and mildew attack.

1.3. Details of the supplier of the Material Safety Data Sheet

Manufacturer / Supplier: BIONI CS GMBH
Street: Lessingstr. 21
Nat. / zip code / Place: D-46149 Oberhausen
Telephone / Fax / E-Mail: +49 (0)208 621 7553 / +49 (0)208 621 7555 / info@bioni.de

1.4. Emergency Telephone Number

Giftnotruf Berlin (24 hours in German and English).
 Telephone: +49 (0)30 19 240

2. Possible Dangers

2.1. For humans and the environment:

There is no danger for humans and the environment according to the (German) hazardous materials ordinance; see also number 6, 7, 8, 11, 12 and 15

Instruction:

(Alveolar) inhalation of fine quartz dust < 5 µm may lead to silicosis, a knotty change of the connective lung tissue. Individuals already suffering from silicosis may run an increased risk of cancer. For quartz fine dust the (German) BG regulation (expert committee regulation) "Handling mineral dust" (BGR 217) applies.

3. Composition / Specification of Components

3.1. Chemical Characterisation

Solid component: Essentially, the mixture consists of hydraulically binding calcium aluminates, quartz powder and fillers

Material	CAS-No.	EC-No.	EC-Classification	UN-No.
Calcium aluminate*	65997-16-2	266-045-5	None	Not applicable
Quartz powder**	014808-60-7	238-878-4	None	Not applicable
Quartz sand***	014808-60-7	238-878-4	None	Not applicable

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* Calcium aluminate: essentially consisting of Al_2O_3 , CaO , SiO_2 , Fe_2O_3 .

** Quartz powder ground quartz sand, essentially consisting of silicium oxide SiO_2 .

*** only with THUECON, CORROPIPE

Dangerous components:

Declaration and classification of components according to the regulations of the Commission of the European Community 91/155/ EEC and 93/21/EEC

Further Instructions:

The product ingredients are not subject to a labelling requirement according to EC directives.

4. First aid measures

4.1. Description of first aid measures

After eye contact: Wash eyes with lots of water. In case of sustained eye irritation seek medical advice from a specialist.

After skin contact: No special first aid measures required.

After inhalation: No special first-aid measures required.
Instruction: Go into the fresh air after inhaling the fumes or decomposition products. In case of serious symptoms, please consult physician.

After ingestion: Drink plenty of water and consult a physician.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing agent: Foam, CO_2 , dry powder

Unsuitable extinguishing agent: For safety reasons no water jet

Special risks: During a fire, dangerous fumes are emitted and decomposition products which may cause serious damage to one's health. Do not inhale the fumes

Special equipment: Air-purifying respirator and chemical protection suit.

6. Measures in Case of Unintended Release

6.1. Personal measures:

Avoid the build-up of dust. When the limit value according to TRGS 900 is exceeded, please use breathing protection; see 8.

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6.2. Environmental protection measures

Avoid the uncontrolled access of water.
Do not allow product to enter drains, sewer system or water courses.

6.3. Procedure for cleaning/absorption

Mechanically, dust-free removal (e.g. moistening) and deposit in suitable containers for disposal.

6.4. Additional instruction:

Hardens after contact with water and may subsequently be disposed of as broken concrete.

7. Maintenance and Storage

7.1. Maintenance:

Avoid the build-up of dust.
User must provide good ventilation and air extraction for the processing machines and work stations where dust build-up may be possible.
Do not remove dust deposits by means of compressed air.

7.2. Storage:

Store in properly sealed original packaging.
Store in a dry place.
Protect against humidity and water.
Protect against frost and temperatures below 0°C

8. Exposure Limitation and Personal Protective Gear

8.1. Exposure limitation:

Limit value according to TRGS 90: 0,15 mg/m³ for kernel sizes < 5 µm (suspended dust).

8.2. Personal protective gear:

Safety glasses and protective gloves are recommended for working with this product.

8.3. Body protection:

Separate street clothing and professional clothing. Regularly wash professional clothing.

8.4. Breathing protection:

Dust protection mask FFP2 or FFP3 depending on limit value according to TRGS 900.

8.5. Comment:

(Alveolar) inhalation of fine quartz dust < 5 µm may lead to silicosis, a knotty change of the connective lung tissue. Individuals already suffering from silicosis may run an increased cancer risk. For quartz fine dust the (German) BG regulation (expert committee regulation) "Handling mineral dust" (BGR 217) applies.

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9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Physical condition: Solid
Form: Powder
Colour: Grey
Odour: None
pH-value: > 12

Safety relevant data

Fame point:
Melting point:
Bulk density: 1,200 KG/m³
Explosive properties: None

10. Stability and Reactivity

10.1. Harmful decay products:

None

10.2. Stability:

In a dry environment the product is stable. Adding liquid triggers a chemical reaction causing the product to harden. The reaction is exothermic and may last several hours.

10.3. Conditions to be avoided:

Protect against undesired moisture and store in original packaging if possible.

11. Indications about Toxicology

11.1. Acute toxicology:

Non-toxic

11.2. Special influences:

Local irritations of skin, throat and eyes are possible. Yet, according to EEC regulations, product components have not been characterised as irritants.

12. Indications about Ecology

12.1. Possible environmental problems:

After the hydration (a few hours or days in a moist environment) the product is stable in soil and water, with a minor mobility of the components.

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13. Instructions for Disposal

13.1. Waste treatment methods

Residual waste:

Fully hardened residues are treated as construction waste, empty packaging materials may be disposed of in agreement with the local and international directives.

Recommendation:

In order to avoid waste, the original material should be reused.

14. Instructions about Transport

14.1. UN-Number

It is not a hazardous product in the sense of national and international transport regulations.

14.2. UN proper shipping name

It is not a hazardous product in the sense of national and international transport regulations.

14.3. Transport hazard class(es)

It is not a hazardous product in the sense of national and international transport regulations.

14.4. Packing group

It is not a hazardous product in the sense of national and international transport regulations.

14.5. Environmental hazard

It is not a hazardous product in the sense of national and international transport regulations.

14.6. Special precautions für user

Avoid the build-up of dust. (sealed containers/loading area).

15. Regulations

15.1. Marking

The product ingredients are not subject to a labelling requirement according to EC directives. The occupational exposure limit values of the respective country must be observed (see point 8).

15.2. Code letter and hazard reference:

None

15.3. R-phrases

None, precaution recommendation: the R-phrases R20 and R48 of the German law on hazardous substances.

15.4. S-phrases

None, precaution recommendation: Observe the S-phrases S2 and S38 of the German law on hazardous substances.

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16. Other information

All information describe exclusively the product safety requirements and are based on the current state of our understanding. They do not constitute an assurance of the properties of the described product in the sense of a legal warranty.