

*SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006*

**BCG F**

Version 3.0

Print Date 15.10.2014

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : BCG F

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

Use of the Substance/Mixture : Sealant

Uses advised against : At this moment we have not identified any uses advised against

**1.3. Details of the supplier of the safety data sheet**

Company : BaCoGa Technik GmbH  
 Alsfelder Warte 30  
 DE 36323 Grebenau  
 Telephone : +49 (0)6646-9605-0  
 Telefax : +49 (0)6646-9605-55  
 E-mail address : info@bacoga.com  
 Responsible/issuing person : BaCoGa Technik GmbH

**1.4. Emergency telephone number**

Emergency telephone number : +49 (0)30-30686790 Available 24h / 7d

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

REGULATION (EC) No 1272/2008			
Hazard class	Hazard category	Target Organs	Hazard statements
Skin irritation	Category 2	---	H315
Eye irritation	Category 2	---	H319
Skin sensitisation	Category 1	---	H317

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Chronic aquatic toxicity	Category 3	---	H412
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For the full text of the H-Statements mentioned in this Section, see Section 16.

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Directive 67/548/EEC or 1999/45/EC	
Hazard symbol / Category of danger	Risk phrases
Sensitising	R43
Irritant (Xi)	R36/38
Dangerous for the environment	R52/53

For the full text of the R-phrases mentioned in this Section, see Section 16.

### Most important adverse effects

Human Health : See section 11 for toxicological information.

Physical and chemical hazards : See section 9 for physicochemical information.

Potential environmental effects : See section 12 for environmental information.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

Hazard symbols : 

Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention : P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ eye protection/ face protection.

Response : P333 + P313 If skin irritation or rash occurs: Get medical

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P337 + P313      advice/ attention.  
 If eye irritation persists: Get medical advice/  
 attention.

Disposal                      :    P501                      Dispose of contents/ container to an  
 approved waste disposal plant.

### Hazardous components which must be listed on the label:

- a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

### 2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical nature                      :    Aqueous mixture of substances listed below with non  
 hazardous additions.

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)		Classification (67/548/EEC)
		Hazard class / Hazard category	Hazard statements	
<b>a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>				
Index-No.                      :	613-167-00-5	Acute Tox.3	H331	Toxic; T; R23/24/25
CAS-No.                        :	55965-84-9	Acute Tox.3	H311	Corrosive; C; R34
C&L-No.                        :	02-2119857602-36-0000	Acute Tox.3	H301	R43
	0,1 - 0,25	Skin Corr.1B	H314	Dangerous for the environment; N;
		Skin Sens.1	H317	
		Aquatic Acute1	H400	R50-R53
		Aquatic Chronic1	H410	

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice                      :    Move out of dangerous area. Take off all contaminated clothing  
 immediately. First aider needs to protect himself.

If inhaled                              :    Move to fresh air. If symptoms call a physician.

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- |                         |   |
|-------------------------|---|
| In case of skin contact | : Wash off immediately with plenty of water. If skin irritation persists, call a physician.   |
| In case of eye contact  | : Rinse immediately with plenty of water, also under the eyelids, for at least 5 minutes. Consult a physician.  |
| If swallowed            | : Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. If a person vomits when lying on his back, place him in the recovery position. Call a physician immediately. |

### 4.2. Most important symptoms and effects, both acute and delayed

- |          |  |
|----------|--|
| Symptoms | : See Section 11 for more detailed information on health effects and symptoms. |
| Effects  | : See Section 11 for more detailed information on health effects and symptoms. |

### 4.3. Indication of any immediate medical attention and special treatment needed

- |           |                          |
|-----------|--------------------------|
| Treatment | : Treat symptomatically. |
|-----------|--------------------------|

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- |                                |   |
|--------------------------------|---|
| Suitable extinguishing media   | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn. |
| Unsuitable extinguishing media | : High volume water jet   |

### 5.2. Special hazards arising from the substance or mixture

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| Specific hazards during firefighting | : Avoid inhalation of vapour or mist. |
|--------------------------------------|---------------------------------------|

### 5.3. Advice for firefighters

- |   |   |
|---|---|
| Special protective equipment for firefighters | : Choose protective equipment according to size of fire.  |
| Further information                           | : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

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|----------------------|--|
| Personal precautions | : Use personal protective equipment. Avoid contact with skin and eyes. Danger of slipping if spilled |
|----------------------|--|

### 6.2. Environmental precautions

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Environmental precautions : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. If the product contaminates rivers and lakes or drains inform respective authorities. If material reaches soil inform authorities responsible for such cases.

### 6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders). Treat recovered material as described in the section "Disposal considerations". Flush with plenty of water.

### 6.4. Reference to other sections

See Section 1 for emergency contact information.  
 See Section 8 for information on personal protective equipment.  
 See Section 13 for waste treatment information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Take off all contaminated clothing immediately. Avoid contact with the skin and the eyes. Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place. Unsuitable materials for containers: Light metals

Advice on protection against fire and explosion : The product is not flammable. Normal measures for preventive fire protection.

Further information on storage conditions : Protect from frost.

Advice on common storage : Do not store near acids.

German storage class : 12 Non-combustible liquids

Storage period : 24 Months

### 7.3. Specific end use(s)

Specific use(s) : No information available.

**BCG F****SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Other Occupational Exposure Limit Values**

(Additional) : Contains no substances with occupational exposure limit values.  
Information

**8.2. Exposure controls****Appropriate engineering controls**

No special precautions required.

**Personal protective equipment***Respiratory protection*

Advice : Required if vapours or aerosol are released.  
Recommended Filter type:  
Combination filter: A-P2

*Hand protection*

Advice : Wear suitable gloves.  
Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.  
The glove material has to be impermeable and resistant to the product / the substance / the preparation.  
Protective gloves should be replaced at first signs of wear.  
As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.  
To achieve a sufficient splashguard (min. break through time 10 min - 60 min) the following combination of gloves is recommended: combination of HPPE laminated film (glove thickness: 0.062 mm) and a two-layer glove consisting of nitrile rubber as coating material (glove thickness: 0.4 mm) and nylon as support material.

*Eye protection*

Advice : Tightly fitting safety goggles

*Skin and body protection*

Advice : Wear suitable protective clothing.

**Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.

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Avoid subsoil penetration.  
If the product contaminates rivers and lakes or drains inform respective authorities.  
If material reaches soil inform authorities responsible for such cases.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Form	: liquid
Colour	: colourless
Odour	: odourless
Odour Threshold	: no data available
pH	: ca. 8 (100 g/l; 20 °C)
Freezing point	: no data available
Boiling point	: > 100 °C no data available
Flash point	: not applicable
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Density	: ca. 1,35 g/cm <sup>3</sup> (20 °C)
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
Explosivity	: Product is not explosive.

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Oxidizing properties : no data available

### 9.2. Other information

No further information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Advice : No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Advice : Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight. Keep away from direct sunlight.

### 10.5. Incompatible materials

Materials to avoid : Acids

### 10.6. Hazardous decomposition products

Hazardous decomposition products : Fire may cause evolution of: Carbon oxides, Nitrogen oxides (NOx), Sulphur oxides

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

##### Oral

Acute toxicity estimate : > 2000 mg/kg ) (Calculation method)

##### Inhalation

Acute toxicity estimate : > 20 mg/l (vapour) (Calculation method)

##### Dermal

Acute toxicity : > 2000 mg/kg ) (Calculation method)

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estimate

**Irritation**
**Skin**

Result : Causes skin irritation.

**Eyes**

Result : Causes serious eye irritation.

**Sensitisation**

Result : May cause an allergic skin reaction.

**CMR effects**
**CMR Properties**

 Carcinogenicity : For this product currently is no data available.  
 Based on available data, the classification criteria are not met.

 Mutagenicity : For this product currently is no data available.  
 Based on available data, the classification criteria are not met.

 Reproductive toxicity : For this product currently is no data available.  
 Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity**
**Single exposure**

remark : The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Repeated exposure**

remark : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Other toxic properties**
**Repeated dose toxicity**

no data available

**Aspiration hazard**

Based on available data, the classification criteria are not met.

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**SECTION 12: Ecological information**
**12.1. Toxicity**

<b>Component:</b>	<b>a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>	<b>CAS-No.</b> <b>55965-84-9</b>
<b>Acute toxicity</b>		
<b>Fish</b>		
LC50	:	0,22 mg/l (Oncorhynchus mykiss; 96 h)
LC50	:	0,19 mg/l (Oncorhynchus mykiss (rainbow trout); 96 h)
<b>Toxicity to daphnia and other aquatic invertebrates</b>		
EC50	:	0,12 mg/l (Daphnia magna (Water flea); 48 h)
EC50	:	0,16 mg/l (Daphnia magna (Water flea); 48 h) (OECD Test Guideline 202)
<b>algae</b>		
EC50	:	0,018 mg/l (Pseudokirchneriella subcapitata)
ErC50	:	0,027 mg/l (Scenedesmus capricornutum (fresh water algae); 72 h)

**12.2. Persistence and degradability**

<b>Component:</b>	<b>a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>	<b>CAS-No.</b> <b>55965-84-9</b>
<b>Persistence and degradability</b>		
<b>Persistence</b>		
Result	:	no data available
<b>Biodegradability</b>		
Result	:	60 % (Exposure Time: 10 d)(OECD 301 D) Readily biodegradable.

**12.3. Bioaccumulative potential**

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**Component:** a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

**CAS-No.**  
55965-84-9

### Bioaccumulation

Result : BCF: < 100  
Bioaccumulation is not expected.  
log Pow < 3

## 12.4. Mobility in soil

### Mobility

Result : The product is water soluble.

**Component:** a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

**CAS-No.**  
55965-84-9

### Mobility

|| : no data available

## 12.5. Results of PBT and vPvB assessment

**Component:** a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

**CAS-No.**  
55965-84-9

### Results of PBT and vPvB assessment

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

## 12.6. Other adverse effects

### Additional ecological information

Result : The product should not be allowed to enter drains, water courses or the soil.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

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Product	:	Disposal together with normal waste is not allowed. Do not let product enter drains. Send to a licensed waste management company.
Contaminated packaging	:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Clean container with water. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

### SECTION 14: Transport information

Not dangerous goods for ADR, RID and IMDG.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 14.4. Packaging group

Not applicable.

#### 14.5. Environmental hazards

Not applicable.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

WGK (DE) : WGK:2; water endangering; WGK (DE); Self-classification

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Major Accident Hazard Legislation	:	according VwVwS of 17 May 1999, Annex 4 Does not fall under the German StörfallV. -
Other regulations	:	Occupational restrictions: Take note of Dir 92/85/EEC on the safety and health of pregnant workers at work and of Dir 94/33/EC on the protection of young people at work.

**a mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**  
 EU. Regulation No 1451/2007 [Biocides], Annex I, Active substances identified as existing (OJ (L 325)  
 Listed as a mixture.

### 15.2. Chemical Safety Assessment

no data available

## SECTION 16: Other information

### Full text of R-phrases referred to under sections 2 and 3.

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R50	Very toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.

### Full text of H-Statements referred to under sections 2 and 3.

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### Further information

Key literature references : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Other information : The information provided in this Safety Data Sheet is correct to

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our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.