

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 27.05.2016

Version: 2.02

Revision: 27.05.2016

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

· **1.1 Product identifier**

· Trade name: **Mineralische Beschichtung IBB (Industrie-Beton-Beschichtung) weiss-farbig**

**Mineralische Beschichtung IBB-B (Industrie-Beton-Beschichtung-Böden) weiss-farbig**

**SBK-08 Sichtbetonkosmetik Rep-hell (Reparaturmörtel-hell) grau-farbig**

**SBK-08 Sichtbetonkosmetik Be-dunkel (Betonkosmetik-Pulver-dunkel) grau-farbig**

**SBK-08 Sichtbetonkosmetik Be-weiss (Betonkosmetik-Pulver-weiss) weiss-farbig**

**SBK-08 Sichtbetonkosmetik SSP (Sichtbetonkosmetik-Strukturspachtel-Pulver) weiss-farbig**

· **Registration number:** This product respectively the components of this mixture - if subject to REACH registration - are registered.

· **1.2 Relevant identified uses of the substance or mixture and uses advised against:** -

· **Application of the substance / the preparation:**

Mineral coatings with the product IBB (Industrie-Beton-Beschichtung)

Fairfaced concrete cosmetic with the products Rep-hell, Be-dunkel, Be-weiss and SPP

· **Uses advised against** -

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

· **Supplier/Manufacturer:**

SYNFOLA GmbH

Seestrasse 24 C

CH-8806 Bäch SZ

Telefon: (0041) (0)55 283 36 90

Fax: (0041) (0)55 283 36 91

· **Email competent person:** sds@kft.de

· **Information department:** See supplier/manufacturer

· **1.4 Emergency telephone number:**

National Poison Information Service (NPIS)

24 hour national number                      professionals only

0844 892 0111

National Health Service (NHS)

24 hour national number                      consumer

England and Scotland: 111

Wales: 0845 46 47

Northern Ireland: call your local General Practitioner

Call 999 if there is a life-threatening incident.

### SECTION 2: Hazards identification

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

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

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Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H335 May cause respiratory irritation.

- **Classification system:**

The classification is based on Regulation (EC) 1272/2008 including its amendments, and on company information.

- **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.

- **Hazard pictograms**



GHS05 GHS07

- **Signal word** Danger

- **Hazard-determining components of labelling:**

Cement, portland, chemicals

- **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

- **Precautionary statements**

P261 Avoid breathing dust.

P280 Wear protective gloves / eye protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable

- **vPvB:** Not applicable

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 65997-15-1 Cement, portland, chemicals

25-50%

EINECS: 266-043-4 Eye Dam. 1, H318; Skin Irrit. 2, H315; STOT SE 3, H335

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:** Be sure to show this safety data sheet, the packaging or the instructions for use to the physician.

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- **After inhalation:**

Remove victim from contaminated area. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Call a doctor.

In case of unconsciousness, place patients on their side in a stable position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Do not use solvents or thinners.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Protect unharmed eye.

First check the victim for contact lenses and remove if present.

Rinse the eyes with open eyelids for 10 - 15 minutes with water. Then consult an eye specialist immediately.

- **After swallowing:**

Do not induce vomiting.

Drink plenty of water, but never give anything to an unconscious person.

Call a doctor immediately.

- **4.2 Most important symptoms and effects, both acute and delayed**

Irritant effect on the respiratory tract

Serious damage to eyes

- **4.3 Indication of any immediate medical attention and special treatment needed** Symptomatic treatment

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media**

- **Suitable extinguishing agents:**

The product is not combustible and does not support any combustion.

Use fire fighting measures suiting the environment.

- **For safety reasons unsuitable extinguishing agents:** No data available

- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

- **5.3 Advice for firefighters**

- **Protective equipment:** Wear self-contained respiratory protective device.

- **Additional information:** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**

Do not breath dust

Avoid formation of dust.

Ensure adequate ventilation.



Wear protective equipment. Keep unprotected persons away.

Use respiratory protective device against the effects of fumes/dust/aerosol.

- **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

- **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

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Pick up mechanically.

Make sure to recycle or dispose of in suitable receptacles.

- **6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Avoid inhalation of dust.

Avoid contact with eyes and skin.

- **Information about protection against explosions and fires:** Observe the general rules of industrial fire protection.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store container tightly sealed at a cool and dry place with sufficient ventilation.

- **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from feed.

Store away from acids.

Refer to national regulations for storing hazardous chemicals.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Store under dry conditions.

Protect from humidity and water.

- **Storage class:** 13 Non combustible solid

- **7.3 Specific end use(s)** No further relevant information available

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**65997-15-1 Cement, portland, chemicals**

WEL (Great Britain) Long-term value:  $10^* 4^{**}$  mg/m<sup>3</sup>

\*inhalable dust \*\*respirable dust

- **Additional information:** The lists that were valid during the creation were used as basis.

- **8.2 Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures should be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Remove all soiled and contaminated clothing immediately.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

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After skin contact, cleanse skin thoroughly.

After contact with eyes, rinse immediately.

Provide eye bath.

• **Breathing equipment:**

In case of unintentional release of substance, exceeding the occupational exposure limit value:



In case of brief exposure or low pollution use a respiratory filter device. In case of intensive or longer exposure use a respiratory protective device that is independent of circulating air.

Short term filter device:

Filter P1

Filter P2

• **Protection of hands:**

Chemical resistant gloves (EN 374)

The glove material has to be impermeable and resistant to the product/substance/preparation.

Selection of the glove material in consideration of the penetration times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

• **Material of gloves:**

For undissolved solid substances following materials may be suitable:

nitrile rubber (NBR), butyl rubber (BR), fluorocarbon rubber (FKM) and polychloroprene rubber (CR)

The selection of suitable gloves depends upon the material, and also upon the quality of the gloves. The degree of protection will vary from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **As protection from splashes gloves made of the following materials are suitable:** Neoprene gloves

• **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

• **Eye protection:** Tightly sealed goggles

• **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

• **9.1 Information on basic physical and chemical properties**

• **General Information:**

• **Appearance:**

Form: Powder

Colour: Grey

• **Odour:** Odourless

• **Odour threshold:** Not applicable

• **pH-value:** 11-13.5  
In water

• **Change in condition:**

Melting point/Melting range: Not determined

Boiling point/Boiling range: Not determined

• **Flash point:** Not applicable

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· <b>Flammability (solid, gaseous):</b>	Not applicable
· <b>Ignition temperature:</b>	
<b>Decomposition temperature:</b>	Not determined
· <b>Self ignition temperature:</b>	Product is not self-igniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
· <b>Vapour pressure:</b>	Not determined
· <b>Density at 20 °C:</b>	2.8-3.2 g/cm <sup>3</sup>
· <b>Relative density:</b>	Not determined
· <b>Vapour density:</b>	Not determined
· <b>Evaporation rate:</b>	Not determined
· <b>Solubility in / Miscibility with Water:</b>	Miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined
· <b>Viscosity:</b>	
<b>dynamic:</b>	Not applicable
<b>kinematic:</b>	Not applicable
· <b>9.2 Other information</b>	No further relevant information available

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** Conditions to be avoided: see chapter 7.
- **10.5 Incompatible materials:** Acids
- **10.6 Hazardous decomposition products:**  
No hazardous decomposition products if instructions for storage and handling are followed

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values that are relevant for classification:** No toxicity data are available for the product itself.
- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Continuing or repeated contact with the skin may cause dermatitis.  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.

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- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**  
After swallowing: irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity**  
No classification  
Longer and/or strong inhalation of fine respirable crystalline silica can lead to pneumoconiosis (silicosis). The main symptoms include coughing and breathlessness. People suffering from silicosis have an increased risk of lung cancer. The dust exposure should be measured and monitored.

The IARC (International Agency for research on cancer) argues that crystalline SiO<sub>2</sub>, which is inhaled at work, can cause lung cancer in humans. It states, however, that this does not apply to all workplace conditions and all types of crystalline SiO<sub>2</sub>.

There are many indications that an increased risk of lung cancer for people that already had silicosis is limited. According to the current state of knowledge, the prevention of silicosis by meeting the current workplace limit value is ensured.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

## SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available
- **12.2 Persistence and degradability** No further relevant information available
- **12.3 Bioaccumulative potential** No further relevant information available
- **12.4 Mobility in soil** No further relevant information available
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous to water  
According to appendix 4 of VwVwS dated 17.05.1999 (German regulation)  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water even if small quantities leak into the ground.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable
- **12.6 Other adverse effects** No further relevant information available

## SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:**  
Must be recycled or disposed of according to the regulations. Waste has to be classified according to the European Waste Catalogue based on the identification of the waste generating source.  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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· **European waste catalogue:**

10 00 00 WASTES FROM THERMAL PROCESSES

10 13 00 wastes from manufacture of cement, lime and plaster and articles and products made from them

10 13 14 waste concrete and concrete sludge

15 00 00 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED

15 01 00 packaging (including separately collected municipal packaging waste)

15 01 01 paper and cardboard packaging

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	Not dangerous according to the above regulations
· UN "Model Regulation":	Void

### SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **National regulations**

· **Information about limitation of use:** Take note of Directive 94/33/EC on the protection of young people at work.

· **Water hazard class:** Water hazard class 1 (Self-assessment); slightly hazardous for water

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Replaces version dated:** Version/s 1-2.01 is/are not available in this language.

· **Relevant phrases**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

· **Department issuing SDS:**

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· **Contact:** Angelika Torges

· **Abbreviations and acronyms:**

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

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

SVHC: Substances of Very High Concern

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3