

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**BEECK Fungicide**

Print date: 19.03.2018

Product code: FWB\_B07

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

BEECK Fungicide

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

Biocide solution for cleaning facades.  
Only for commercial use.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

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

Company name:	BEECK'SCHE FARBWERKE GmbH	
Street:	Gottlieb-Daimler-Strasse 4	
Place:	D-89150 Laichingen	
Telephone:	+49 (0) 7333 / 9607-11	Telefax: +49 (0) 7333 / 9607-10
e-mail:	info@beeck.com	
Contact person:	Ralf Rieks	Telephone: +49 (0) 7333 / 9607-14
e-mail:	Ralf.Rieks@beeck.com	
Internet:	www.beeck.com	
Responsible Department:	Factory Laichingen, Gottlieb-Daimler-Str. 4, D-89150 Laichingen	
	Tel. +49(0)7333/9607-11	
	Fax: +49(0)7333/9607-10	
	Mo-Fr: 8.00 -16.00 hour	

**1.4. Emergency telephone number:**

United Kingdom +44 870 600 626 / 0870 600 6266  
GBK GmbH Global Regulatory Compliance  
+49(0)6132/84463

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.  
P262 Do not get in eyes, on skin, or on clothing.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P501 Disposal in accordance with the official regulations.

**Special labelling of certain mixtures**

EUH208 Contains 2-Octyl-2H-isothiazol-3-one. May produce an allergic reaction.

**2.3. Other hazards**

Repeated contact may cause allergic reactions in very susceptible persons.

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**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Biocide on basis of benzalkonium chloride and octylisothiazolone.

Aqueous solution

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides			0.1 - < 1 %
	270-325-2			
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H302 H314 H318 H400 H410			
26530-20-1	2-Octyl-2H-isothiazol-3-one			< 0.1 %
	247-761-7	613-112-00-5		
	Acute Tox. 2, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H330 H311 H302 H314 H318 H317 H400 H410			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of feeling unwell: Obtain medical attention. Show this safety data sheet to the doctor in attendance.

Never give anything by mouth to an unconscious person. Lay the affected person down and keep him still; If unconscious, place the person in the recovery position.

Eye wash fountains and safety showers must be easily accessible.

**After inhalation**

Fresh air supply. Lay the affected person down, and keep her or him warm and calm. In case of shortness of breath, give oxygen. Consult a physician. If symptoms persist, call a physician.

**After contact with skin**

Wash off with soap and plenty of water immediately. Remove soiled clothing. Do not use solvents or thinners.

Rinse well with water. If skin irritation persists, call a physician.

In the case of skin irritation or allergic reactions see a physician.

**After contact with eyes**

Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Consult an ophthalmologist.

**After ingestion**

Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting without medical advice. In the event of spontaneous nausea and unconsciousness, keep the head back and bring the patient into the recovery position. Immediately give large quantities of water to drink. Lay the affected person down, and keep her or him warm and calm. Consult a physician.

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

Eye irritation. Skin irritation.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.

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

Symptomatic treatment (decontamination and vital functions). If necessary, contact poison centre.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

The product is not flammable. Use extinguishing measures that are appropriate to the environment.

#### **Unsuitable extinguishing media**

Do not use a solid water stream as it may scatter and spread fire.

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

The release of the following substances is possible in a fire: carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), smoke, nitrogen oxides (NO<sub>x</sub>).

The inhalation of hazardous decomposition products may cause serious health damage.

### **5.3. Advice for firefighters**

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

#### **Additional information**

Prevent extinguishing water used by the fire department, or any other forms of the diluted product, from ending up in surface water or drinking water reservoirs. Prevent product from entering drains.

## **SECTION 6: Accidental release measures**

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

Evacuate personnel to a safe area. Provide good ventilation. Do not breathe in vapours and mist. Avoid bringing product in contact with the skin. Use personal protective equipment.

Slipping hazard due to leakage.

### **6.2. Environmental precautions**

The product must not get into the watercourse without preparatory treatment (biological wastewater treatment plant). Entry into rivers or surface water is to be prevented by the erection of barriers made of sand or earth or by other suitable barriers. Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system.

### **6.3. Methods and material for containment and cleaning up**

Mix residues with binding agent and sweep up avoiding dust formation.

Use a convenient binder.

### **6.4. Reference to other sections**

Suitable protective equipment: See section 8.

Dispose of as described in section 13.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Provide sufficient air exchange and/or exhaust in work rooms.

Refill with care. Avoid spillage.

Avoid contact with skin and eyes. The further treatment / removal of coatings by grinding, burning, etc. may create hazardous dust and/or vapour. Do not breathe vapours/dust.

When using, do not eat, drink, or smoke.

Suitable protective equipment: See section 8.

#### **Advice on protection against fire and explosion**

No special precautions required.

#### **Further information on handling**

Comply with the health and safety at work laws. Handle, store and transport in compliance with local

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regulations and in labelled containers that are suitable for this product.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Store in compliance with the local regulations. Store sealed in the original container.  
Keep in a dry, cool place. Protect from freezing.

**Advice on storage compatibility**

Do not store near acids.

**Further information on storage conditions**

Entry by unauthorized individuals is forbidden. Containers keep tightly closed.  
Keep at temperatures between 10°C and 30°C.  
Already opened containers should be closed thoroughly and should be stored upright in order to prevent leakage.

**7.3. Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas. This can be achieved by local or space exhaust. If this is not sufficient, in order to hold the solvent vapour concentration lower than the occupational exposure limit an approved respiratory protection apparatus must be worn.

**Protective and hygiene measures**

Avoid contact with skin and eyes. Do not breathe in vapours or spray mist. Remove and wash contaminated clothing before re-use. Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and immediately after handling the product. Keep away from food, drink and animal food stuffs.

**Eye/face protection**

Safety glasses at risk of splashing. Safety glasses with side-shields.

**Hand protection**

protective gloves, chemical-resistant (DIN EN 374)

Please note that the daily use of a chemical glove in practice may be considerably shorter than the permeation time calculated in EN 374 as a result of many different factors (for example temperature). Wash and dry one's hands after use of gloves. Protection cream can help to protect the skin surface. It should be applied before use.

The manufacturer recommends the following glove materials:

nitrile butadiene rubber (NBR) - 0.4 mm layer thickness - Penetration time of the glove material: 480 min

Gloves made of the following materials are not suitable: leather gloves.

**Skin protection**

Industrial protective clothing

**Respiratory protection**

In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.

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

Physical state:	liquid
Colour:	colourless
Odour:	mild

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#### Test method

pH-Value (at 20 °C):

4 - 5

#### Changes in the physical state

Melting point:

No data available.

Initial boiling point and boiling range:

100 °C

Flash point:

not applicable

#### Explosive properties

The product is not explosive.

Lower explosion limits:

No data available.

Upper explosion limits:

No data available.

Decomposition temperature:

No data available.

#### Oxidizing properties

The product is not self-igniting.

Vapour pressure:

No data available.

Density (at 20 °C):

1,0 g/cm<sup>3</sup>

Water solubility:

completely miscible

Partition coefficient:

No data available.

Viscosity / dynamic:

< 500 mPa·s

Vapour density:

No data available.

Evaporation rate:

No data available.

#### 9.2. Other information

No data available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

Stable under proper storage and handling.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions occur under normal storage conditions and in normal use.

#### 10.4. Conditions to avoid

Before processing the product, it should not be diluted or mixed with other chemicals in order to avoid negative effects on active substance(s).

#### 10.5. Incompatible materials

strong acids and strong bases

#### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

#### Further information

Minimum shelf-life: 12 months

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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No data is available on the product itself.

ATE mix/oral: > 5000 mg/kg (rat)

ATE mix/dermal: > 5000 mg/kg (rat)

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides				
	oral	ATE	500 mg/kg		
26530-20-1	2-Octyl-2H-isothiazol-3-one				
	oral	ATE	500 mg/kg		
	dermal	ATE	300 mg/kg		
	inhalative vapour	ATE	0,5 mg/l		
	inhalative aerosol	ATE	0,05 mg/l		

#### Irritation and corrosivity

May cause eye/skin irritation.

#### Sensitising effects

Repeated contact may cause allergic reactions in very susceptible persons.

### SECTION 12: Ecological information

#### 12.1. Toxicity

No data is available on the product itself.

Respiration inhibition of activated sludge

Octylisothiazolone

EC20 / 0,5 h: 10,4 mg/l (TTC-Test)

EC20 / 3 h: 7,3 mg/l (OECD 209)

Benzalkonium chloride

EC20 / 0,5 h: 5 mg/l (OECD 209)

Not assumed to retard the growth of activated sludge bacteria.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
26530-20-1	2-Octyl-2H-isothiazol-3-one					
	Acute fish toxicity	LC50	0,036 mg/l	96 h		
	Acute algae toxicity	ErC50	0,084 mg/l	72 h		
	Acute crustacea toxicity	EC50	0,42 mg/l	48 h		

#### 12.2. Persistence and degradability

Biological degradability:

Octylisothiazolone:

"Surface Water - Simulation Biodegradation Test" 0,6 - 1,4 d (half life) (OECD 309)

Benzalkonium chloride:

Closed-Bottle-Test: > 70% (OECD 301 D)

Properties in sewage systems:

Octylisothiazolone:

Activated Sludge Assay: > 90 % (OECD 303 A)

Benzalkonium chloride:

Activated Sludge Assay: > 83 % (OECD 303 A)

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The product is biodegradable. / Can be eliminated from the water easily.

**12.3. Bioaccumulative potential**

No bioaccumulation on account of the log(P) values of the main components.

Octylisothiazolone log Kow 2,92 (OECD 117)

Benzalkonium chloride log Kow 2,88 (OECD 107)

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The product does not contain any substance which meets the PBT criteria (persistent/bio-accumulative/toxic) or the vPvB criteria (very persistent/very bio-accumulative).

**12.6. Other adverse effects**

Contains no heavy metals.

AOX information: Product contains no subjects that are currently thought to present an ecological risk.

**Further information**

Should not be released into the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Must be sent for special treatment in accordance with local authority regulations. The organic ingredients can be incinerated in a suitable installation authorised under the Environmental Protection Act 1990.

**Waste disposal number of waste from residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances  
Classified as hazardous waste.

**Waste disposal number of used product**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

**Contaminated packaging**

Suitable cleaning agents: Water respvt. soapy water.

Packaging can be sent for recycling after being emptied and cleaned. If recycling is not practicable, dispose of in compliance with the official regulations and the Environmental Protection (Duty of Care) Regulations 1991.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** not regulated

**14.2. UN proper shipping name:** not regulated

**14.3. Transport hazard class(es):** not regulated

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**14.4. Packing group:** not regulated

**Other applicable information (land transport)**

Not classified as dangerous regarding transport regulations.

**Inland waterways transport (ADN)**

**14.1. UN number:** not regulated

**14.2. UN proper shipping name:** not regulated

**14.3. Transport hazard class(es):** not regulated

**14.4. Packing group:** not regulated

**Other applicable information (inland waterways transport)**

Not classified as dangerous regarding transport regulations.

**Marine transport (IMDG)**

**14.1. UN number:** not regulated

**14.2. UN proper shipping name:** not regulated

**14.3. Transport hazard class(es):** not regulated

**14.4. Packing group:** n.d.a.

**Other applicable information (marine transport)**

Not classified as dangerous regarding transport regulations.

**Air transport (ICAO)**

**14.1. UN number:** not regulated

**14.2. UN proper shipping name:** not regulated

**14.3. Transport hazard class(es):** not regulated

**14.4. Packing group:** n.d.a.

**Other applicable information (air transport)**

Not classified as dangerous regarding transport regulations.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

Danger releasing substance: not applicable

**14.6. Special precautions for user**

No data available.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not classified as dangerous regarding transport regulations.

**Other applicable information**

not applicable

## SECTION 15: Regulatory information

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

**EU regulatory information**

2004/42/EC (VOC): not applicable

**Additional information**

No Substances of Very High Concern (SVHC) according REACH Article 57.

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

Biocide registry number: N-47297; N-47299



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**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Abbreviations and acronyms**

n.a. = not applicable  
n.d. = not determined  
n.d.a. = no data available

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal 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.
EUH208	Contains 2-Octyl-2H-isothiazol-3-one. May produce an allergic reaction.

**Further Information**

The information is based on present levels of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The product is to be used exclusively for the applications named in the technical data sheet or in the processing instructions.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*