

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**BEECK Tinting Paste**

Print date: 19.03.2018

Product code: FWB\_B69

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

BEECK Tinting Paste

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

Mineral pigment paste.

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

**Further Information**

No more data.

**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	Dispose of contents/container to hazardous or special waste collection point.

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### Special labelling of certain mixtures

EUH208

Contains 2-Methyl-2H-isothiazol-3-one, 2-Octyl-2H-isothiazol-3-one, 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

### 2.3. Other hazards

May cause sensitisation of susceptible persons.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Water: 40 - 50 %

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111-46-6	Diethylene glycol			0,5 - < 2,5 %
	203-872-2			
	Acute Tox. 4, STOT RE 2; H302 H373			
2682-20-4	2-Methyl-2H-isothiazol-3-one			< 1,0 %
	220-239-6			
	Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1; H301 H311 H314 H318 H317 H335 H400			
26530-20-1	2-Octyl-2H-isothiazol-3-one			< 0,05 %
	247-761-7	613-112-00-5		
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H331 H311 H302 H314 H317 H400 H410			
2634-33-5	1,2-Benzisothiazolin-3-one			< 0,05 %
	220-120-9	613-088-00-6		
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1; H302 H315 H318 H317 H400			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

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.

#### After inhalation

Move to fresh air. Lay the affected person down, and keep her or him warm and calm. If symptoms persist, call a physician. In case of irregular breathing or respiratory arrest: Oxygen or artificial respiration, if needed.

#### After contact with skin

Wash contaminated skin areas thoroughly with soap and water. Remove soiled clothing. Do not use solvents or thinners. If skin irritation persists, call a physician.

#### After contact with eyes

Rinse with plenty of water immediately, also under the eyelids, for at least 15 minutes. Remove contact lenses after the first 1 - 2 minutes and continue flushing. Consult an ophthalmologist immediately.

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### After ingestion

Rinse mouth, spit liquid out. The affected person should slowly drink one glass of water. Do not induce vomiting.

In the event of spontaneous nausea and unconsciousness, keep the head back and bring the patient into the recovery position. Keep the respiratory tract open, prevent aspiration. 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

May cause eye/skin irritation.  
nausea, vomiting, cough, shortness of breath, abdominal pain.

### 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 itself does not burn. 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

Do not breathe in the vapours and combustion gases. Wear self-contained breathing apparatus for fire fighting, if necessary.

### Additional information

The combustion gases are partially condensed with the water used to extinguish the fire and end up as a contaminant in this water.

Do not let product enter 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. Use personal protective equipment.

Slipping hazard due to leakage. Avoid bringing product in contact with the skin.

### 6.2. Environmental precautions

May not end up in waste water or open waters. 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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder). Dispose of as described in section 13. After cleaning, flush away traces with water.

### 6.4. Reference to other sections

See section 8, 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

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#### Advice on safe handling

Provide sufficient air exchange and/or exhaust in work rooms. Containers keep tightly closed. 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

The product is not flammable.

The product is not explosive.

#### Further information on handling

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

Incompatible with strong bases and oxidising agents.

#### Further information on storage conditions

Smoking in the storage rooms is forbidden. Entry by unauthorized individuals is forbidden.

Keep at temperatures between 5°C and 25°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

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
111-46-6	2,2'-Oxydiethanol	23	101		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

### 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.

Eye wash.

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#### Hand protection

Protective gloves.

The manufacturer recommends the following glove materials: PVC- or rubber gloves.

Safety gloves should be selected for the actual conditions of use and in accordance with the instructions for use provided by the manufacturer.

Preventive skin protection: skin protection cream.

#### Skin protection

Impervious clothing, boots, apron, protective gloves.

Take off all contaminated clothing immediately. Wash contaminated skin areas thoroughly with soap and water.

#### Respiratory protection

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.

#### Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	paste
Colour:	tinted
Odour:	weakly

#### Test method

pH-Value:	No data available.	ISO 4316
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#### Changes in the physical state

Melting point:	No data available.
Initial boiling point and boiling range:	No data available.
Sublimation point:	No data available.
Softening point:	No data available.
Pour point:	No data available.
Flash point:	>100 °C

#### Flammability

Solid:	No data available.
Gas:	No data available.

#### Explosive properties

No data available.

Lower explosion limits:	No data available.
Upper explosion limits:	No data available.

#### Auto-ignition temperature

Solid:	No data available.
Gas:	No data available.

Decomposition temperature:	No data available.
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#### Oxidizing properties

No data available.

Vapour pressure:	No data available.
Density:	1,80 - 2,30 g/cm <sup>3</sup>
Water solubility:	insoluble in water

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#### **Solubility in other solvents**

No data available.

Partition coefficient:

No data available.

Viscosity / dynamic:

No data available. ISO 2555

Viscosity / kinematic:

No data available.

Vapour density:

No data available.

Evaporation rate:

No data available.

#### **9.2. Other information**

Solid content:

No data available.

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. Does not polymerize.

#### **10.4. Conditions to avoid**

Protect from freezing. Protect from heat and direct sunlight.

#### **10.5. Incompatible materials**

strong oxidizers; strong acids; bases

#### **10.6. Hazardous decomposition products**

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No data available.

##### **Acute toxicity**

No data is available on the product itself.

CAS 111-46-6 Diethylene glycol:

Toxicity after skin contact:

LD50/dermal/rabbit: 13300 mg/kg (ECHA)

Toxicity upon inhalation:

LC50/inhalative/4h/rat: (dust/mist) &gt; 4,6 mg/l (ECHA)

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CAS No	Chemical name			
	Exposure route	Dose	Species	Source
111-46-6	Diethylene glycol			
	oral	ATE 500 mg/kg		
2682-20-4	2-Methyl-2H-isothiazol-3-one			
	oral	ATE 100 mg/kg		
	dermal	ATE 300 mg/kg		
26530-20-1	2-Octyl-2H-isothiazol-3-one			
	oral	ATE 500 mg/kg		
	dermal	ATE 300 mg/kg		
	inhalative vapour	ATE 3 mg/l		
	inhalative aerosol	ATE 0,5 mg/l		
2634-33-5	1,2-Benzisothiazolin-3-one			
	oral	ATE 500 mg/kg		

#### Irritation and corrosivity

Contact with eyes may cause irritation.

#### Sensitising effects

Contains 2-Methyl-2H-isothiazol-3-one, 2-Octyl-2H-isothiazol-3-one, 1,2-Benzisothiazolin-3-one. May produce an allergic reaction.

#### Carcinogenic/mutagenic/toxic effects for reproduction

No data available.

#### STOT-single exposure

No data available.

#### STOT-repeated exposure

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

NOAEL/rat: 100 mg/kg body weight/d (ECHA)

Target organ: kidney

#### Aspiration hazard

No data available.

#### Specific effects in experiment on an animal

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

No data is available on the product itself.

CAS 111-46-6 Diethylene glycol:

Acute toxicity to fish:

LD50/96h/Pimephales promelas: 75200 mg/l (ECHA)

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CAS No	Chemical name				
	Aquatic toxicity	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**

CAS 111-46-6 Diethylene glycol:

Biological degradability: 90 - 100 %, 28 d - OECD 301 B (ECHA)

#### **12.3. Bioaccumulative potential**

CAS 111-46-6 Diethylene glycol:

Partition coefficient (n-octanol/water) logPow: -1,98 - ECHA

Bioconcentration factor (BCF): 100, Species: Golden orfe (*Leuciscus idus*) - ECHA

#### **12.4. Mobility in soil**

No data available.

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

No data available.

#### **12.6. Other adverse effects**

No data available.

#### **Further information**

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Disposal in accordance with the official regulations.

Do not flush into surface water or sanitary sewer system. Offer surplus and non-recyclable solutions to a licensed disposal company.

##### **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.

##### **Contaminated packaging**

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



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**14.2. UN proper shipping name:** not regulated  
**14.3. Transport hazard class(es):** not regulated  
**14.4. Packing group:** not regulated  
 Hazard label: n.d.a.

Classification code: n.d.a.  
 Special Provisions: n.d.a.  
 Limited quantity: n.d.a.  
 Transport category: n.d.a.  
 Hazard No: -  
 Tunnel restriction code: n.d.a.

#### 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  
 Hazard label: n.d.a.

Classification code: n.d.a.  
 Special Provisions: n.d.a.  
 Limited quantity: n.d.a.

#### 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.  
 Hazard label: n.d.a.

Marine pollutant: n.d.a.  
 Special Provisions: n.d.a.  
 Limited quantity: n.d.a.  
 Excepted quantity: n.d.a.  
 EmS: n.d.a.

#### Other applicable information (marine transport)

Not classified as dangerous regarding transport regulations.

#### Air transport (ICAO)

**14.1. UN number:** not restricted

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<b>14.2. UN proper shipping name:</b>	not restricted
<b>14.3. Transport hazard class(es):</b>	not restricted
<b>14.4. Packing group:</b>	n.d.a.
Hazard label:	n.d.a.

Special Provisions:	n.d.a.
Limited quantity Passenger:	n.d.a.
Passenger LQ:	n.d.a.
Excepted quantity:	n.d.a.
IATA-packing instructions - Passenger:	n.d.a.
IATA-max. quantity - Passenger:	n.d.a.
IATA-packing instructions - Cargo:	n.d.a.
IATA-max. quantity - Cargo:	n.d.a.

**Other applicable information (air transport)**

Not classified as dangerous regarding transport regulations.

Danger releasing substance: n.d.a.

**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

**Other applicable information**

None.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

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

**National regulatory information**

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

**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

NOAEL = No Observed Adverse Effect Level

VOC = Volatile organic compounds

ATE = Acute Toxicity Estimate

OECD = Organization for Economic Co-operation and Development

ECHA = European Chemicals Agency

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

GHS = Globally Harmonized System

CLP = Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

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

H301	Toxic if swallowed.
H302	Harmful 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.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
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-Methyl-2H-isothiazol-3-one, 2-Octyl-2H-isothiazol-3-one, 1,2-Benzisothiazolin-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.)*