

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 1 of 10

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

BEECK SP Plus

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

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

Only for commercial use.

Hydrophobing agent for facades.

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

Company name:	BEECK'SCHE FARBWERKE GmbH	
Street:	Neustadt 458	
Place:	D-84028 Landshut	
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	
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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	
<b><u>1.4. Emergency telephone number:</u></b>	United Kingdom +44 870 600 626 / 0870 600 6266	
	GBK Gefahrgut Büro GmbH	
	+49(0)6132/84463	

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Indications of danger: Xn - Harmful

R phrases:

Flammable.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking.

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard categories:

Flammable liquid: Flam. Liq. 3

Aspiration hazard: Asp. Tox. 1

Hazard Statements:

Flammable liquid and vapour.

May be fatal if swallowed and enters airways.

**2.2. Label elements****Hazardous components which must be listed on the label**

Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics

Signal word: Danger

Pictograms: GHS02-GHS08

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## BEECK SP Plus

Print date: 12.03.2015

Product code: FWB\_B03

Page 2 of 10



### Hazard statements

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.

### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.  
P501 Disposal in accordance with the official regulations.

### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

### Additional advice on labelling

The product is classified and labelled in accordance with the EC directives or respective national laws.

### 2.3. Other hazards

On contact with water or humidity formation of: methanol.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics; Alkylsilicone resin

#### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
271-369-5	Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics	85 - < 90 %
68551-19-9	Xn - Harmful R65-66	
	Asp. Tox. 1; H304 EUH066	
01-2119480162-45		
213-926-7	Trimethoxypropylsilan	5 - < 10 %
1067-25-0	Xi - Irritant R10-38	
	Flam. Liq. 3, Skin Irrit. 2; H226 H315	

Full text of R-, H- and EUH-phrases: see section 16.

#### Further Information

Alkylsilicone resin:  
On contact with water or humidity formation of: methanol (toxic).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Show this safety data sheet to the doctor in attendance. Remove from exposure, lie down. Move to

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 3 of 10

fresh air. Never give anything by mouth to an unconscious person.  
Consult a physician for severe cases.

**After inhalation**

Fresh air supply. In case of irregular breathing or respiratory arrest: Oxygen or artificial respiration, if needed. Consult a physician.

**After contact with skin**

Remove and wash contaminated clothing before re-use. Wash contaminated skin areas thoroughly with soap and water. 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, if applicable. Consult an ophthalmologist immediately.

**After ingestion**

Clean mouth with water and drink plenty of water afterwards. 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**

Skin irritation, Eye irritation  
cough, headache, dizziness, drowsiness

methanol: May cause: Conjunctivitis, dizziness, insomnia, gastrointestinal disturbance, visual disturbances.

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

Symptomatic treatment (decontamination and vital functions).  
Aspiration of the liquid while swallowing incorrectly or vomiting can lead to serious pneumonia caused by chemicals.  
Product reacts with moisture/water. Release of: methanol.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

carbon dioxide (CO<sub>2</sub>), foam, sprayed water stream or dry powder.

**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**

Vapour/air-mixtures are explosive at intense warming. Vapours are heavier than air and may spread along floors.

The release of the following substances is possible in a fire: carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>).

Do not breathe in the vapours and combustion gases.

**5.3. Advice for firefighters**

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.

Contaminated extinguishing water and soil must be disposed of in accordance with official regulations .

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Do not smoke. Remove all sources of ignition. Provide adequate

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 4 of 10

ventilation.

Use respiratory equipment when gases, vapours/aerosols form. Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Contact the responsible authority immediately if the product ends up in the soil, a body of water, or the sewer system.

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.

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

Spilled or leaking material is to be soaked up with non-flammable absorbent materials (sand, soil, diatomaceous earth) and put in containers. The containers must be sealed, marked and disposed of safely.

**6.4. Reference to other sections**

See section 8, 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. 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**

Keep away from open flames, hot surfaces, and sources of ignition. Do not smoke. Take precautionary measures against static discharges. In use, may form high flammable/explosive vapour air mixture.

Vapours are heavier than air and may spread along floors. Flash back possible over considerable distance.

**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**

Keep containers tightly closed in a dry, cool, and well-ventilated place. Protect from humid air and water.

**Advice on storage compatibility**

Store separately from: oxidising agents

**Further information on storage conditions**

Never allow product to come in contact with water during storage. On contact with water or humidity formation of: methanol.

Smoking in the storage rooms is forbidden.

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**

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## BEECK SP Plus

Print date: 12.03.2015

Product code: FWB\_B03

Page 5 of 10

### Additional advice on limit values

Normal and branched chain alkanes  $\geq$  C7: 1200 mg/m<sup>3</sup> (TWA 8h) (excludes n-hexane and n-heptane)

### 8.2. Exposure controls

#### Appropriate engineering controls

Provide adequate ventilation and/or exhaust ventilation. When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators.

#### Protective and hygiene measures

Avoid contact with skin and eyes. Avoid contact with clothing. Take off all contaminated clothing immediately. Remove and wash contaminated clothing before re-use. Do not eat, drink, smoke or take snuff at work. Wash hands before breaks and at the end of the workday.

#### Eye/face protection

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

#### Hand protection

Protective gloves.

The manufacturer recommends the following glove materials: PVC-Protective 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, chemical-resistant (solvent).

#### Respiratory protection

When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators. (organic vapours, Boiling point/range:  $> 65^{\circ}\text{C}$ )

#### 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:	liquid
Colour:	colourless
Odour:	mild

	Test method
pH-Value (at 20 °C):	n.a.

#### Changes in the physical state

Flash point:	50 °C
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#### Oxidizing properties

The product is combustible.

Density (at 20 °C):	0,79 g/cm <sup>3</sup>
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Water solubility: (at 20 °C)	insoluble
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#### Solubility in other solvents

miscible with most organic solvents

Partition coefficient:	-
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Viscosity / dynamic: (at 20 °C)	< 500 mPa·s	ISO 2555
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Solvent separation test:	-
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Solvent content:	-
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# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## BEECK SP Plus

Print date: 12.03.2015

Product code: FWB\_B03

Page 6 of 10

### 9.2. Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Hydrolyses in presence of: Water.  
Release of: methanol.

### 10.2. Chemical stability

Stable under proper storage and handling. See section 7.

### 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4. Conditions to avoid

Protect from humid air and water.  
Keep away from open flames, hot surfaces, and sources of ignition.

### 10.5. Incompatible materials

strong oxidizers, strong acids, Water.

### 10.6. Hazardous decomposition products

methanol.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

No data is available on the product itself. The following toxicological assessments are based on the toxicological knowledge of the separate components of the product.

On contact with water or humidity formation of: methanol.

LD50/oral/rat: 5628 mg/kg (methanol)

LC50/inhalative/4h/rat: 64000 ppm (methanol)

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
68551-19-9	Hydrocarben, C11-C14, isoalkanes, cyclic < 2% aromatics				
	oral	LD50	> 5000 mg/kg	rat	
	dermal	LD50	> 5000 mg/kg	rabbit	
	inhalative vapour	LC50	> 5000 mg/l	rat	

#### Irritation and corrosivity

Mild skin irritation.

Mild eye irritation.

#### Severe effects after repeated or prolonged exposure

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

#### Practical experience

#### Other observations

Inhalation of large amounts of solvent vapour can have a narcotic effect. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Aspiration of the liquid while swallowing incorrectly or vomiting can lead to serious pneumonia caused by chemicals.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 7 of 10

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

No data is available on the product itself. The following toxicological assessments are based on the toxicological knowledge of the separate components of the product.

Hydrocarbon (CAS 68551-19-9):  
EL 50 (72 h): > 1000 mg/l (algae)  
NOELR (21 d): 1,0 mg/l (daphnia)

**12.2. Persistence and degradability**

Not easily biodegradable.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

No data available.

**12.6. Other adverse effects**

Alkylsilicone resin:  
Hydrolyses in presence of: Water.  
Release of: methanol.  
Small amounts of methanol are released during processing.

**Further information**

Do not flush into surface water or sanitary sewer system.

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

Disposal in accordance with the official regulations. Hazardous waste incineration. Must be incinerated in a suitable incineration plant authorised under the Environmental Protection Act.

**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 dangerous 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 dangerous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

Packaging can be sent for recycling after being emptied and cleaned. Dispose of non-cleansing packaging in the same way as the product.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### BEECK SP Plus

Print date: 12.03.2015

Product code: FWB\_B03

Page 8 of 10

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640E  
 Limited quantity: 5 L  
 Transport category: 3  
 Hazard No: 30  
 Tunnel restriction code: D/E

##### Other applicable information (land transport)

Excepted quantity: E1

##### Inland waterways transport (ADN)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 274 601 640E  
 Limited quantity: 5 L

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

Excepted quantity: E1

##### Marine transport (IMDG)

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
 Hazard label: 3



Special Provisions: 223, 274, 955  
 Limited quantity: 5 L  
 EmS: F-E, S-E



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 9 of 10

**Other applicable information (marine transport)**

Excepted quantity: E1

**Air transport (ICAO)**

**14.1. UN number:** UN 1993  
**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** III  
Hazard label: 3



Special Provisions: A3  
Limited quantity Passenger: 10 L  
IATA-packing instructions - Passenger: 355  
IATA-max. quantity - Passenger: 60 L  
IATA-packing instructions - Cargo: 366  
IATA-max. quantity - Cargo: 220 L

**Other applicable information (air transport)**

Excepted quantity: E1  
Passenger-LQ: Y344

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**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**

No data available.

**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): The EU limit value for this product (product category: II. A h, Lb) in ready to use form is max 750 g/litre of VOC. The VOC content of this product in ready to use form is max 750 g/l

**Additional information**

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

**National regulatory information**

Water contaminating class (D): 2 - 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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**BEECK SP Plus**

Print date: 12.03.2015

Product code: FWB\_B03

Page 10 of 10

**Relevant R-phrases (Number and full text)**

- |    |   |
|----|---|
| 10 | Flammable.  |
| 38 | Irritating to skin.                                   |
| 65 | Harmful: may cause lung damage if swallowed.          |
| 66 | Repeated exposure may cause skin dryness or cracking. |

**Relevant H- and EUH-phrases (Number and full text)**

- |        |   |
|--------|---|
| H226   | Flammable liquid and vapour.                          |
| H304   | May be fatal if swallowed and enters airways.         |
| H315   | Causes skin irritation.                               |
| EUH066 | Repeated exposure may cause skin dryness or cracking. |

**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.)*