

# SAFETY DATA SHEET

(According to Regulation (EC) No. 1907/2006 (REACH) and the modifications by Regulations (EC) No. 1272/2008 (CLP), (EU) 2015/830 and (EU) 2020/878)

**FAKOLITH®**

## FK-100 FOODGRADE Komponent B

Version: 1  
Last change: 01/03/2022

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### SECTION 1: DESIGNATION OF THE MIXTURE AND THE COMPANY.

#### 1.1 Product identifier.

Product name: FK 100 FOODGRADE Component B  
UFI: 6DJF-EC1M-G8SR-DK9Q

#### 1.2 Relevant identified uses of the mixture and uses advised against.

Industrial use  
Professional use  
Epoxid paint

#### Uses advised against:

Uses other than recommended.

#### 1.3 Details of the supplier providing the safety data sheet.

##### -Manufacturer/Supplier:

Company: **Fakolith Farben GmbH**  
Address: Carl Benz Str. 19  
Place: 64658 Fürth/ Odw.  
Phone: +49 (0) 6253/ 2394-0  
Fax: +49 (0) 6253/ 2394-10

##### -Informative area:

Germany: Uwe Farenkopf (germany@fakolith.com)  
Tel. + 49 (0) 6253 / 2394-0 Fax: +49 (0) 6253 / 2394-10

#### 1.4 Telephone for emergencies:

**Spain:** +34 (0) 915 620 420  
**Germany:** +49 (0) 61 31 19 240  
**Austria:** +43 (0) 14 06 43 43  
**Switzerland:** +41 (0) 44 25 15 151  
**Italy:** +39 (0) 26 44 42 523

UFI: 6DJF-EC1M-G8SR-DK9Q

### SECTION 2: POTENTIAL HAZARDS.

#### 2.1 Classification of the mixture.

According to (EU) Regulation No. 1272/2008:

Aquatic Chronic 2 : Toxic to aquatic life with long lasting effects.  
Eye Dam. 1 : Causes serious eye damage.  
Skin Irrit. 2 : Causes skin irritation.  
Skin Sens. 1 : May cause an allergic skin reaction.

#### 2.2 Labeling elements.

##### Labeling according to (EU) Regulation No. 1272/2008:

Pictograms:



Signal word:

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### Danger

#### H-phrases:

H315 Causes skin irritation.  
H317 May cause allergic skin reactions.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

#### P-phrases:

P261 Avoid inhalation of dust/fume/gas/mist/vapor/aerosol.  
P273 Avoid release into the environment.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection/...  
P305+P351+P338 If contact with eyes occurs: Rinse cautiously with water for several minutes. Remove any contact lenses if possible. Continue to rinse.  
P310 Call a POISON CENTER or doctor immediately  
P321 Special handling (see on this label).

#### Additional Hazard Statements:

EUH205 Contains epoxy-containing compounds. May cause allergic reactions.

#### Includes:

reaction product: bisphenol-A epichlorohydrin, epoxy resin (average number average molecular weight ≤ 700).  
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane

### 2.3 Other hazards.

The mixture does not contain substances classified as PBT.  
The mixture does not contain substances classified as vPvB.  
The mixture does not contain any endocrine disrupting properties substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

### 3.1 Substances.

Not Applicable.

### 3.2 Mixtures.

Substances that pose a risk to health or the environment according to Regulation (CE) No. 1272/2008 have been assigned a limit in the workplace regarding the community and are classified as PBT or vPvB or included in the list of candidates:

Identifications	Name	Concentration	(*)Classification - Regulation 1272/2008	
			Classification	Specific concentration limits
Index No.: 603-074-00-8 CAS No.: 25068-38-6 EC No.: 500-033-5 Registrierungsnummer: 01-2119456619-26-XXXX	reaction product: bisphenol-A epichlorohydrin, epoxy resin (average number average molecular weight ≤ 700).	25 - 100 %	Aquatic Chronic 2, H411 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315 - Skin Sens. 1, H317	Eye Irrit. 2, H319: C ≥ 5 % Skin Irrit. 2, H315: C ≥ 5 %
CAS No.: 2530-83-8 EC No: 219-784-2 Registrierungsnummer: 01-2119513212-58-XXXX	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	3 - 10 %	Eye Dam. 1, H318	-

(\*) The full text of the H-phrases is given in section 16 of this safety sheet.

## SECTION 4: FIRST AID MEASURES.

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IRRITANT MIXED. Repeated and prolonged contact with the skin and mucous membranes may cause irritation symptoms such as flushing, blistering or dermatitis. Some of these symptoms may appear later. In addition, allergic reactions of the skin may occur.

### **4.1 Description of first aid measures.**

In case of doubt or symptoms of indisposition, call for medical help. Never give substances or liquids of any kind to unconscious persons.

#### **Inhalation.**

Injured persons must be brought into fresh air, kept warm and in a resting position. In case of irregular breathing or failure of the same, perform mouth-to-mouth resuscitation.

#### **Contact with the eyes.**

Flush eyes with plenty of clean, fresh water for at least 10 minutes, pulling eyelids upward and seeking medical attention at first opportunity. Avoid the person rubbing the affected eye.

#### **Contact with the skin.**

Remove contaminated clothing. Wash skin vigorously and thoroughly with soap and water or a suitable skin cleanser. DO NOT use solvents or thinners under any circumstances.

#### **Intake.**

Seek immediate medical attention in case of accidental ingestion. Keep injured person in resting position. DO NOT, UNDER ANY CIRCUMSTANCES, cause fracture.

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

Corrosive product, contact with eyes or skin may cause burns, ingestion or inhalation may cause internal injuries, in which case immediate medical attention is required.

Contact with eyes may cause irreversible injuries.

Allergic reactions may occur, as well as dermatitis, redness or swelling of the skin.

### **4.3 Indication of immediate medical attention or special treatment.**

Seek medical attention immediately. Never instill substances or liquids of any kind into unconscious persons. Do not induce vomiting. If the person vomits, clear the airway. Cover the affected area with a sterile gauze dressing. Protect the affected area from pressure or friction.

## **SECTION 5: FIRE SUPPRESSION MEASURES.**

The product does not pose any particular risk in case of fire.

### **5.1 Extinguishing media.**

#### **Suitable extinguishing media:**

Extinguishing powder or CO<sub>2</sub>. For more severe fires, also alcohol-resistant foam and water spray.

#### **Unsuitable extinguishing media:**

Do not use a direct water jet for extinguishing. Do not use water or foam as an extinguishing agent in the presence of electrical voltage.

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

#### **Special risks.**

The fire may cause dense black smoke. As a result of thermal decomposition, hazardous substances may be released: Carbon monoxide, carbon dioxide. Exposure of the combustion or decomposition products is harmful to health.

### **5.3 Advice for fire fighting.**

Cool tanks, storage containers or other containers located in the direct vicinity of the heat source or fire with water. When doing so, take the wind direction into account. Ensure that the extinguishing agents used cannot run off into the groundwater or waterways. Residues of the product and extinguishing agents may contaminate waterways.

#### **Fire Protection Equipment.**

Depending on the extent of the fire, it may be necessary to wear thermal protective suits, appropriate respirators, gloves, goggles or face mask, and boots.

## **SECTION 6: ACTION TO BE TAKEN IN THE EVENT OF IMPROPER RELEASE.**

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

For exposure control and personal protection, see the section 8.

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### 6.2 Environmental protection measures.

Environmentally hazardous product, in case of leakage of larger quantities or contamination of lakes, rivers or canals caused by the product, inform the competent authorities according to the local legislation. Contamination of drains, surface or underground waters and soil must be avoided.

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

Absorb spilled substances with absorbent and non-flammable material (earth, sand, vermiculite, diatomaceous earth and the like ...). Store the product and the absorbent material in a suitable container. Immediately clean the contaminated area with a suitable decontaminant. The decontaminant is added to the waste and left to act in the unsealed container for several days until no more reactions occur.

### 6.4 Reference to other sections.

For suspension control and personal protection measures, see inscription 8.  
For disposal of residual materials, follow the recommendations in Inscription 13.

## SECTION 7: HANDLING AND STORAGE.

### 7.1 Precautions for safe handling.

For personal protection, see heading 8.

Do not smoke, eat or drink in the areas where the product is used.

The relevant regulations on safety and hygiene in the workplace must be complied with.

Never use pressure to empty the containers. The containers are not pressure vessels. The product must always be stored in its original container.

### 7.2 Conditions for safe storage taking into account incompatibilities.

Storage in accordance with relevant local regulations. The instructions given on the label must be strictly observed. The containers can be stored in temperature ranges from 5 to 35 °C in dry and well ventilated premises at a sufficient distance from heat sources and direct sunlight. Also ensure sufficient distance from all ignition points, propellant gas and strongly acidic or alkaline materials. Do not smoke. Access to the storage area by unauthorized persons must be prohibited. Opened containers must be carefully resealed and placed in an upright position to prevent leakage.

The product is not affected by the EU Directive 2012/18/EU (SEVESO III).

### 7.3 Specific end uses.

Not available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT.

### 8.1 Parameters to be monitored.

The product does not contain substances OEL Occupational Exposure. The product does not contain any substances with biological limits.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
reaction product: bisphenol-A epichlorohydrin, epoxy resin (average number average molecular weight ≤ 700). CAS No.: 25068-38-6 EC No.: 500-033-5	DNEL (Workers)	Inhalative, Long-term, Systemic effects	12.25 (mg/m <sup>3</sup> )
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No: 219-784-2	DNEL (Workers)	Inhalative, Long-term, Systemic effects	147 (mg/m <sup>3</sup> )

DNEL: Derived No Effect Level, measure of exposure to substances below which no adverse effects are predicted.

DMEL: Derived Minimal Effect Level, measure of exposure corresponding to a low risk that should be considered as a tolerable minimum.

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### 8.2 Exposure controls.

#### Technical measures:

Provide adequate ventilation. Effective on-site exhaust/ventilation and an effective general exhaust system can be used for this purpose.

<b>Concentration:</b>	<b>100 %</b>		
<b>Uses:</b>	<b>Industrial use</b> <b>Professional use</b> <b>Epxoid paint</b>		
<b>Respiratory protection:</b>			
PPE:	Filter mask for protection against gases and particles		
Features:	"CE" mark category III. The mask must have a large field of vision and be anatomically shaped to provide hermetic seal.		
CEN standards:	EN 136, EN 140, EN 405		
Storage:	It must not be stored in places exposed to high temperatures and humidity before use. Particularly check the condition of the inhalation and exhalation valves of the facepiece.		
Comments:	Carefully read the manufacturer's instructions for use and storage of the device. The filters required for the particular characteristics of the risk (particles and aerosols: P1-P2-P3, gases and vapors: A-B-E-K-AX) are inserted into the device and replaced according to the manufacturer's recommendations.		
Required filter type:	A2+B2+P2		
<b>Hand protection:</b>			
PPE:	Protective gloves against chemical products		
Features:	"CE" mark category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Storage:	They must be stored in a dry place away from possible sources of heat and, if possible, not exposed to sunlight. Do not make any changes to the gloves that may affect their resistance, nor apply any painting, solvents or adhesives.		
Comments:	The gloves must be selected in a suitable size and fit neither too tightly nor too loosely on the hand. They must always be worn with clean and dry hands.		
Material:	Nitrile	Breakthrough time (min): > 480	Material thickness (mm): 0,38
Material:	PVC (polyvinyl chloride)	Breakthrough time (min): > 480	Material thickness (mm): 0,35
<b>Protective measures for the eyes:</b>			
PPE:	Full view safety goggles		
Features:	"CE" mark category II. Full vision goggles for protection against dust, fumes, mists and vapors.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		
Storage:	Visibility through the lenses must be optimal, for which they must be cleaned daily. The protective device must be disinfected regularly according to the manufacturer's instructions.		
Comments:	Indications of wear can be: Yellowish discoloration of the lenses, scratches on the lens surface, fissures, etc.		
<b>Protective measures for the skin:</b>			
PPE:	Protective clothing		
Features:	"CE" mark category II. The protective clothing must not be too tight or too loose in order not to hinder the wearer's movements.		
CEN standards:	EN 340		
Storage:	To guarantee constant protection, the manufacturer's instructions for cleaning and storage must be followed.		
Comments:	Protective clothing must provide a level of comfort and protection against risks appropriate to the foreseen environmental factors, the intensity of the wearer's exposure and the duration of wear.		
PPE:	Work shoes		
Features:	"CE" mark category II.		
CEN standards:	EN ISO 13287, EN 20347		
Storage:	This item adapts to the shape of the foot of the first user. For this reason and for hygienic reasons, its reuse by another person must be avoided.		
Comments:	Professional work shoes contain protective elements designed to protect the wearer from injury in case of accidents. It is necessary to check for what kind of work these shoes are suitable.		

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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

Appearance: Viscous liquid of color and characteristic odor  
Color: Farbloss  
Odor: Characteristic  
Odor threshold: N.V./N.A.  
pH: N.V./N.A.  
Melting point: N.V./N.A.  
Boiling point: N.V./N.A.  
Flash point estimated: 199 °C  
Evaporation rate: N.V./N.A.  
Flammability (solid, gas): N.V./N.A.  
Lower explosion limit: N.V./N.A.  
Upper explosion limit: N.V./N.A.  
Vapor pressure: N.V./N.A.  
Density of the vapor: N.V./N.A.  
Relative density: 1.14  
Solubility: N.V./N.A.  
Fat solubility: N.V./N.A.  
Water solubility: Insoluble  
Partition factor (N-octanol / water): N.V./N.A.  
Auto-ignition temperature: N.V./N.A.  
Decomposition temperature: N.V./N.A.  
Viscosity: N.V./N.A.  
Explosion properties: N.V./N.A.  
Combustion promoting properties: N.V./N.A.  
N.V./N.A.= Not Available/Not Applicable due to the nature of the product.

#### 9.2 Other information.

Stick Point: N.V./N.A.  
Scintillation counter: N.V./N.A.  
Kinematic viscosity: N.V./N.A.  
N.V./N.A.= Not Available/Not Applicable due to the nature of the product.

### SECTION 10: STABILITY AND REACTIVITY.

#### 10.1 Reactivity.

The product does not present any hazards resulting from reactivity.

#### 10.2 Chemical stability.

Unstable in contact with:

- Acids
- Bases
- Oxidizing agent

#### 10.3 Possibility of hazardous reactions.

Under special conditions, a polymerization reaction may occur.

#### 10.4 Conditions to avoid.

Avoid the following conditions:

- Heating
- High temperatures
- Contact with incompatible materials

#### 10.5 Incompatible materials.

Avoid the following materials:

- Acids
- Bases
- Oxidizing agent

#### 10.6 Hazardous decomposition products.

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Depending on the terms of use, the following products may arise:

- CO<sub>x</sub> (carbon oxides)
- Organic compounds

### SECTION 11: TOXICOLOGICAL INFORMATION.

IRRITANT MIXED. Repeated and prolonged contact with the skin and mucous membranes may cause irritation symptoms such as flushing, blistering or dermatitis. Some of these symptoms may appear later. In addition, allergic reactions of the skin may occur.

#### 11.1 Information on toxicological effects.

No test data of the product are available.

Frequent or prolonged contact with the product may lead to fat loss in the skin, subsequently to non-allergic contact dermatitis and thus to absorption of the product through the skin.

a) Acute toxicity,

No conclusive data for classification.

b) Corrosive/irritant effect on the skin,

Classified product:

Skin Irritant, Category 2: Causes skin irritation.

c) Serious eye damage/irritation,

Classified product:

Serious eye damage, Category 1: Causes serious eye damage.

d) Respiratory/skin sensitization,

Classified product:

Skin sensitizing, category 1: May cause allergic skin reactions.

(e) Germ cell mutagenicity,

No conclusive data for classification.

f) Carcinogenicity,

No conclusive data for classification.

(g) Reproductive toxicity,

No conclusive data for classification.

(h) specific target organ toxicity at single exposure,

No conclusive data for classification.

(i) Repeated exposure specific target organ toxicity,

No conclusive data for classification.

j) Aspiration hazard.

No conclusive data for classification.

### SECTION 12: ENVIRONMENTAL DISCLOSURES.

#### 12.1 Toxicity.

No information is available on the ecotoxicity of the contained substances

#### 12.2 Persistence and degradability.

There is no information on the biodegradability of the substances present.

There is no information available on the degradability of the substances present. No information is available on the persistence and degradability of the product.

#### 12.3 Bioaccumulative potential.

No information is available on the bioaccumulation of the contained substances

#### 12.4 Mobility in soil.

No information is available on mobility in soil.

The substance must not enter the sewage system or waterways.

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Penetration into the soil must be avoided.

### 12.5 Results of PBT and vPvB assessment.

No information is available on the PBT and vPvB assessment of the product.

### 12.6 Other adverse effects.

No information is available on harmful effects on the environment.

## SECTION 13: DISPOSAL INSTRUCTIONS.

### 13.1 Waste treatment process.

Disposal into drains or waterways is not permitted. Waste products and contaminated containers must be disposed of in accordance with the relevant local/national regulations.

For the handling of residual materials, the instructions of Directive 2008/98/EC must be followed.

Waste code according to the European Waste Catalogue:

08 WASTES FROM THE MANUFACTURE, FORMULATION, DISTRIBUTION AND USE (HZVA) OF COATINGS (PAINTS, VARNISHES, ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS

08 01 wastes from MFSU and paint and varnish removal

08 01 99 wastes not otherwise specified

## SECTION 14: TRANSPORTATION INFORMATION.

The product is not dangerous for transport as the shipper uses the exemption route applied to UN/UN 3082 (<5l.) below:

- ADR/RID/road/rail: special provision 375 of chapter 3.3

- IMDG/maritime transport: point 2.10.2.7

- IATA/Air: Special Provision A197 (Section 4.4)

Not dangerous for transport. In case of accident or leakage of the product, proceed according to point 6.

### 14.1 UN number.

Not dangerous for transport.

### 14.2 UN proper shipping name.

Description:

ADR: Not dangerous for transport.

IMDG: Not dangerous for transport.

ICAO/IATA: Not dangerous for transport.

### 14.3 Transport hazard classes.

Not dangerous for transport.

### 14.4 Packing group.

Not dangerous for transport.

### 14.5 Environmental hazards.

Not dangerous for transport.

### 14.6 Special precautions for the user.

Not dangerous for transport.

### 14.7 Carriage in bulk in accordance with Annex II of MARPOL and the IBC Code.

Not dangerous for transport.

## SECTION 15: LEGISLATION.

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

The product is not affected by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

#### Volatile organic compound (VOC)

Product subcategory (Directive 2004/42/CE): j - two-component reactive coatings for specific uses such as floor treatment, solvent-based

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Level I\* (as of 01/01/2007): 550 g/l  
Level II\* (from 01/01/2010): 500 g/l  
(\* ) g/l ready for use

VOC content (w/w): 0 %.  
VOC content: 0 g/l

The provisions of Directive 2004/42/EC on VOCs apply to this product. For more information see the label and / or technical data sheet.

Product classification according to Annex I of EU Directive 2012/18/EU (SEVESO III): N/A

The product is not affected by the EU Regulation No. 528/2012 on the provision on the market and the use of organic products.

The product is not affected by the procedures established by EU Regulation No. 649/2012 for the export and import of hazardous chemicals.

Pollutant class for water (Germany): WGK 2: Water hazardous. (Self-assessment according to the AwSV regulation).

### 15.2 Chemical Safety Assessment.

No evaluation of the chemical safety of the product has been performed.

### SECTION 16: OTHER DISCLOSURES.

Full text of H- sentences appearing in paragraph 3:

H315 Causes skin irritation.  
H317 May cause allergic skin reactions.  
H318 Causes serious eye damage.  
H319 Causes severe eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

Classification codes:

Aquatic Chronic 2 : Chronic aquatic toxicity, Category 2

Eye Dam. 1 : Serious eye damage, Category 1

Eye Irrit. 2 : Eye Irritation, Category 2

Skin Irrit. 2 : Irritant to skin, category 2

Skin Sens. 1 : Skin sensitizing, category 1

For the correct handling of the product, it is recommended to carry out basic training on safety and hygiene in the workplace.

Information on the TSCA (Toxic Substances Control Act) USA:

CAS No.	Name	State
25068-38-6	reaction product: bisphenol-A epichlorohydrin, epoxy resin (average number average molecular weight $\leq$ 700).	Registered 9
2530-83-8	trimethoxysilane	Registered 9

Abbreviations and acronyms used:

AwSV: Ordinance on facilities for handling substances hazardous to water.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, measure of exposure corresponding to a low risk that is considered to be tolerable minimum should be considered.

DNEL: Derived No Effect Level, (derived concentration by which no effect occurs) Measure of the Exposure to substances below which no adverse effects are foreseen.

PPE: Personal safety equipment.

WGK: Water hazard classes.

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Key literature references and sources for data:

<http://eur-lex.europa.eu/homepage.html>

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

Regulation (EC) No 1907/2006.

Regulation (EC) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.