

SAFETY DATA SHEET

(in accordance with (EU) Regulation 2015/830)

FAKOLITH FK 11

Version: 2

Last change: 11.03.2020



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

1.1 Product identifier.

Product name: FAKOLITH FK 11

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

Cleaning agent for industrial purposes
Professional use
Detergent

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

-Informing area:

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

1.4 Telephone for emergencies:

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

SECTION 2: POTENTIAL HAZARDS.

2.1 Classification of the mixture.

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

Eye Dam. 1: Causes serious eye damage.

Skin Corr. 1B: Causes severe skin burns and eye damage.

2.2 Marking elements.

Labelling according to (EU) Regulation No 1272/2008:

Pictograms:



Signal word:

Danger

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H-phrases:

H314 Causes severe skin burns and eye damage.

P phrases:

P260 Do not breathe dust/fume/gas/mist/vapour/spray.
P264 Wash thoroughly after use.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 If contact with skin (or hair) occurs: Remove all contaminated clothing immediately. Wash skin with water [or shower].
P305+P351+P338 If contact with eyes occurs: Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.
P310 Immediately call POISON CENTER/doctor/.../.

Keep out of the reach of children.
Do not ingest.
For professional users only.
Store only in the original container.

Includes:

Tetrasodium ethylenediaminetetraacetate
Sodium hydroxide
Alkyl polyglycosides C10-16
Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)- β -alaninate

2.3 Other hazards.

The product may pose the following additional risks:
No further relevant information available
Keep out of reach of children

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 at the workplace in the Community and are classified as PBT or vPvB or included in the candidate list:

Identifications	Name	Concentration	(*)Classification - Regulation 1272/2008	
			Classification	Specific concentration limits
Index No.: 607-428-00-2 CAS No.: 64-02-8 EC No: 200-573-9 Registrierungsnummer: 01-2119486762-27-XXXX	Tetrasodium ethylenediaminetetraacetate	3 - 10 %	Acute Tox. 4 *, H302 - Eye Dam. 1, H318	-

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Index No: 011-002-00-6 CAS No.: 1310-73-2 EC No: 215-185-5 Registrierungsnummer: 01-2119457892-27-XXXX	Sodium hydroxide	2 - 5 %	Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 5 %. Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %
Index No: 603-014-00-0 CAS No.: 111-76-2 EC No: 203-905-0 Registrierungsnummer: 01-2119475108-36-XXXX	[1] 2-Butoxy-ethanol, Butylglycol	1 - 10 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Acute Tox. 4 *, H302 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
Index No: 603-057-00-5 CAS No.: 100-51-6 EC No: 202-859-9 Registrierungsnummer: 01-2119492630-38-XXXX	Benzyl alcohol	1 - 10 %	Acute Tox. 4 *, H332 - Acute Tox. 4 *, H302	-
Index No: 603-064-00-3 CAS No.: 107-98-2 EC No: 203-539-1 Registrierungsnummer: 01-2119457435-35-XXXX	[1] 1-Methoxy-2-propanol, Propylene glycol monomethyl ether	2.5 - 20 %	Flam. Liq. 3, H226 - STOT SE 3, H336	-
Index No: 019-002-00-8 CAS No.: 1310-58-3 EC No: 215-181-3 Registrierungsnummer: 01-2119487136-33-XXXX	Potassium hydroxide, Caustic potash	0.5 - 2 %	Acute Tox. 4 *, H302 - Skin Corr. 1A, H314	Skin Corr. 1A, H314: C ≥ 5 %. Skin Corr. 1B, H314: 2 % ≤ C < 5 % Skin Irrit. 2, H315: 0.5 % ≤ C < 2 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %
CAS No: 94441-92-6 EC No: 305-318-6	Sodium N-(2-carboxyethyl)-N-(2-ethylhexyl)-β-alaninate	1 - 3 %	Eye Dam. 1, H318 - Skin Irrit. 2, H315	-

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

* See Regulation (EC) No 1272/2008, Annex VI, section 1.2.

[1] Substance for which a common occupational exposure limit applies (see point 8.1).

SECTION 4: FIRST AID MEASURES.

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.

Inhale.

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Injured persons should be brought into fresh air, kept warm and in a resting position. If breathing is irregular or fails, give 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 an appropriate skin cleanser. DO NOT use solvents or thinners under any circumstances. First aid personnel should have adequate personal protective equipment (see Section 8).

Intake.

Seek immediate medical attention in case of accidental ingestion. Keep injured person in resting position. DO NOT cause vomiting under any circumstances.

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.

4.3 Indication of immediate medical attention or special treatment.

Seek medical attention immediately. Never give substances or liquids of any kind to 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-FIGHTING MEASURES.

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

5.1 Extinguishing media.

Suitable extinguishing media:

Extinguishing powder or CO₂. 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. Hazardous substances may be released as a result of thermal decomposition: Carbon monoxide, carbon dioxide. Exposure of the combustion or decomposition products is harmful to health.

5.3 Advice for firefighters.

Cool tanks, storage containers or other containers 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.

Fire Protection Equipment.

Depending on the extent of the fire, it may be necessary to wear thermal protective suits, appropriate breathing apparatus, 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 section 8.

6.2 Environmental protection measures.

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Contamination of runoff, surface or subsurface waters, and soil shall be avoided.

6.3 Methods and material for containment and cleaning up.

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

6.4 Reference to other sections.

For suspension control and personal protection measures, see inscription 8.
For the 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. Always keep the product 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 rooms 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).

Storage class (LGK): 8B. Non-flammable corrosive liquid.

7.3 Specific end uses.

Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT.

8.1 Parameters to be monitored.

Exposure restriction in the work environment for:

Name	CAS No.	Country	Limit value	ppm	mg/m ³
2-Butoxy-ethanol, Butylglycol	111-76-2	European Union [1]	Eight hours	20 (skin)	98 (skin)
			Briefly	50 (skin)	246 (skin)
1-methoxy-2-propanol, propylene glycol monomethyl ether	107-98-2	European Union [1]	Eight hours	100 (skin)	375 (skin)
			Briefly	150 (skin)	568 (skin)

[1] According to both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

The product does not contain any substances with biological limits.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
Sodium hydroxide CAS No.: 1310-73-2	DNEL (Workers)	Inhalative, Long-term, Local effects	1 (mg/m ³)

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EC No: 215-185-5	DNEL (General population)	Inhalative, Long-term, Local effects	1 (mg/m ³)
2-Butoxy-ethanol, Butylglycol CAS No.: 111-76-2 EC No: 203-905-0	DNEL (Workers)	Inhalative, Long-term, Systemic effects	98 (mg/m ³)
Benzyl alcohol CAS No.: 100-51-6 EC No: 202-859-9	DNEL (Workers)	Inhalative, Long-term, Systemic effects	90 (mg/m ³)
1-methoxy-2-propanol, propylene glycol monomethyl ether CAS No.: 107-98-2 EC No: 203-539-1	DNEL (Workers)	Inhalative, Long-term, Systemic effects	369 (mg/m ³)

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.

8.2 Exposure controls.

Technical measures:

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

Concentration:	100 %		
Uses:	Cleaning agent for industrial purposes Professional use Detergent		
Respiratory protection:			
PPE:	Filter mask for protection against gases and particles		
Features:	"The mask must have a large field of vision and be anatomically shaped to provide a hermetic seal.		
CEN standards:	EN 136, EN 140, EN 405		
Retention:	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 specific characteristics of the risk (particles and aerosols: P1-P2-P3, gases and vapours: A-B-E-K-AX) are inserted in the appliance and replaced according to the manufacturer's recommendations.		
Required filter type:	A3+P3		
Hand protection:			
PPE:	Reusable protective gloves against chemical products		
Features:	"CE" mark category III. Read through the list of chemical products against which the glove has been tested.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Retention:	Regular replacement of gloves must be set out in a calendar to ensure that they are replaced before they become permeable to contaminants. Using contaminated gloves can be more dangerous than not using gloves, as the contaminant can gradually accumulate in the material of the glove.		
Comments:	The gloves must be replaced when breaks, cracks or deformations are noticed and when dirt on the glove surface may reduce their resistance.		
Material:	PVC (polyvinyl chloride)	Breakthrough time (min): > 480	Material thickness (mm): 0,35
Material:	Nitrile	Breakthrough time (min): > 480	Material thickness (mm): 0,38
Material:	Chloroprene	Breakthrough time (min): > 480	Material thickness (mm): 0,18
Protective measures for the eyes:			
PPE:	Full view safety goggles		
Features:	"CE" mark category II. Full vision goggles for protection against dust, smoke, mists and vapours.		
CEN standards:	EN 165, EN 166, EN 167, EN 168		

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Retention:	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.
Protective measures for the skin:	
PPE:	Protective clothing against chemical products
Features:	"CE" mark category III. The clothing must fit well. The protection level must be determined as a function of the breakthrough time (BT. Breakthrough Time), which indicates the time in which the chemical product breaks through the material.
CEN standards:	EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034
Retention:	To ensure constant protection, the manufacturer's instructions for cleaning and storage must be followed. The design of the protective clothing must guarantee its correct and durable fit without slipping during the intended period of wear, taking into account the environmental factors and the movements and postures that the wearer may adopt during his activity.
Comments:	
PPE:	Safety shoes against chemical products and with antistatic properties
Features:	"CE" mark category III. read through the list of chemical products to which the shoe is resistant.
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345
Retention:	For the correct care and storage of these safety shoes, it is essential to follow the manufacturer's specific instructions. The shoes must be replaced immediately if they show any signs of wear.
Comments:	The shoes must be cleaned regularly and dried when wet, but without bringing them too close to a heat source to avoid abrupt temperature changes.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Liquid with characteristic odour

Color: Blue

Odour: Characteristic, soft

Odour threshold: N.V./N.A.

pH: 13

Melting point: N.V./N.A.

Boiling point: 116 °C

Flash point estimated: 81 °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.

Vapour pressure: 22.585

Density of vapour: N.V./N.A.

Relative density: 1.05

Solubility: N.V./N.A.

Fat solubility: N.V./N.A.

Water solubility: Miscible

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.

Drip point: N.V./N.A.

Scintillation counter: N.V./N.A.

Kinematic viscosity: N.V./N.A.

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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 on contact with:

- acids

10.3 Possibility of hazardous reactions.

Contact with acids may result in neutralization

10.4 Conditions to avoid.

- Avoid contact with acids.

10.5 Incompatible materials.

Avoid the following materials:

- acids

10.6 Hazardous decomposition products.

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

- Corrosive vapours or gases

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

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

Toxicological information on the substances contained in the mixture.

Name	Acute toxicity			
	Type	Try	Art	Value
Sodium hydroxide		LD50	Rabbit	325 mg/kg bw [1]
	Oral	[1]	Naunyn-Schmiedeberg's experimentielle Pathologie und Pharmakologie (Berlin, Germany), 184,	(1937), Archiv für 587-604.
	Dermal			
	Inhalative			
CAS No.: 1310-73-2 EC No: 215-185-5				

(a) acute toxicity,
No conclusive data for classification.

Acute Toxicity Estimates (ATE):

Mixtures:

ATE (dermal) = 36,667 mg/kg

ATE (Oral) = 4,623 mg/kg

(b) Corrosive/irritant effect on the skin,

Classified Product:

Skin Corrosive, Category 1B: Causes severe skin burns and eye damage.

(c) Serious eye damage/irritation,

Classified Product:

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

(d) Respiratory/skin sensitisation,
No conclusive data for classification.

(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) single exposure specific target organ toxicity,
Based on available data, the classification criteria are not met.

(i) specific target organ toxicity in case of repeated exposure,
No conclusive data for classification.

j) Aspiration hazard.
No conclusive data for classification.

SECTION 12: ENVIRONMENTAL DISCLOSURES.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Try	Art	Value
Sodium hydroxide CAS No.: 1310-73-2 EC No: 215-185-5	Fish	Minimum Lethal Concentration	Notropis sp.	100 mg/L (120 h) [1]
		[1] Van Horn et al. (1949), Effects of Kraft Mill Wastes, American Fisheries Society		
	Aquatic invertebrates	LC50	Ophryotrocha diadema	33 mg/L (48 h) [1]
		[1] Parker JG (1984), Wat Res, 18, 865-868.		
	Water plants			

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.

The components contained in the product meet the biodegradability criteria laid down in (EU) Regulation No 648/2004 on detergents.

12.3 Bioaccumulative potential.

Information on bioaccumulation of the substances contained.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Stage

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2-Butoxy-ethanol, Butylglycol CAS No.: 111-76-2 EC No: 203-905-0	0,8	-	-	Very low
Benzyl alcohol CAS No.: 100-51-6 EC No: 202-859-9	1,05	-	-	Very low
1-methoxy-2-propanol, propylene glycol monomethyl ether CAS No.: 107-98-2 EC No: 203-539-1	-0,44	-	-	Very low

12.4 Mobility in soil.

No information is available on mobility in soil.
Do not allow the substance to enter drains or waterways.
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.

SECTION 14: TRANSPORT INFORMATION.

Transport in compliance with the following standards: ADR/TPC for land transport, RID for transport by rail, IMDG for sea freight and ICAO/IATA for air transport.

Country: Road transport: ADR, Rail transport: RID.
Transport documents: waybill and written instructions.

Sea: Marine transport: IMDG.
Transport documents: Sea waybill.

Air: Aircraft transport: IATA / ICAO.
Transport documents: Air waybill.

14.1 UN number.

UN No: UN1760

14.2 UN proper shipping name.

Description:

ADR: UN 1760, CORROSIVE LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE / POTASSIUM HYDROXIDE, CAUSTIC POTASH), 8, PG II, (E)

IMDG: UN 1760, CORROSIVE LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE / POTASSIUM HYDROXIDE, CAUSTIC POTASH), 8, PG II

ICAO/IATA: UN 1760, CORROSIVE LIQUID, N.O.S. (CONTAINS SODIUM HYDROXIDE / POTASSIUM HYDROXIDE, CAUSTIC POTASH), 8, PG II

14.3 Transport hazard classes.

Class(es): 8

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14.4 Packing group.

Packing group: II

14.5 Environmental hazards.

Sea contamination: No

14.6 Special precautions for the user.

F-A,S-B Sticker: 8



Hazard number: 80

ADR LQ: 1 L

IMDG LQ: 1 L

ICAO LQ: 0,5 L

Regulations regarding the transport of large quantities according to the ADR: Transport in large quantities not authorised according to the ADR.

Ship transport, FEm - emergency signs (F - fire, S - spillage):

Proceed according to point 6.

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

The product is not affected by shipping in bulk.

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.

The product complies with (EU) Regulation No. 648/2004 on detergents.

Content according to (EU) Regulation No. 648/2004 on detergents:

EDTA and its salts < 5%

nonionic surfactants < 5%

Fragrances

Allergens: BENZYLALCOHOL

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.

Water hazard class (WGK): 2

15.2 Chemical Safety Assessment.

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

SECTION 16: OTHER INFORMATION.

Full text of H- sentences appearing in paragraph 3:

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H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes severe eye irritation.
H332	Harmful by inhalation.
H336	May cause drowsiness and dizziness.

Classification codes:

Acute Tox. 4 : Acute dermal toxicity, category 4
Acute Tox. 4 : Acute inhalation toxicity, category 4
Acute Tox. 4 : Acute oral toxicity, category 4
Eye Dam. 1 : Serious eye damage, category 1
Eye Irrit. 2 : Eye Irritation, Category 2
Flam. Liq. 3 : Flammable liquid, category 3
STOT SE 3 : Toxicity in specific target organs after single exposure, Category 3
Skin Corr. 1A : Skin corrosive, Category 1A
Skin Corr. 1B : Skin corrosive, category 1B
Skin Irrit. 2 : Irritant to skin, category 2

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

Abbreviations and acronyms used:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
BCF: Bioconcentration factor.
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.
EC50: Average effective concentration.
PPE: Personal security equipment.
IATA: International Air Transport Association.
ICAO: International Civil Aviation Organization.
IMDG: International Maritime Code for Dangerous Goods.
LC50: Lethal concentration, 50 %.
LD50: Lethal dose, 50 %.
Log Pow: Logarithm of the octanol/water partition coefficient.
NOEC: No Observed Effect Concentration (highest tested concentration with no observed adverse effect).
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

Key references and data sources:

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

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

Regulation (EU) 2015/830.

Regulation (EC) No 1907/2006.

Regulation (EU) No 1272/2008.

The information provided in this safety data sheet has been prepared in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93, Commission Regulation (EC) No 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this safety data sheet is based on the currently available knowledge and the EU and national legislation in force at the time of printing, while the working conditions at the place of use are beyond our knowledge and control. The product must not be used for purposes other than those expressly stated without prior and written instructions on its handling. Consequently, taking measures to comply with the legal requirements is the sole responsibility of the user. The information given in this safety data sheet applies only to the product and does not constitute a guarantee of properties.