

SAFETY DATA SHEET

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



FAKOLITH[®]
chemical systems

Version: 2
Last change: 26/11/2020

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Print date: 17/11/2021

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

1.1 Product identifier.

Product designation: FAKOLITH FK 32

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

Professional use
Industrial use
Solvent based paint (1K)

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:

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

SECTION 2: POTENTIAL HAZARDS.

2.1 Classification of the mixture.

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

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.
Skin Sens. 1 : May cause an allergic skin reaction.

2.2 Marking elements.

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

Pictograms:



Signal word:
Attention

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H-phrases:

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

P phrases:

P261 Avoid breathing dust/fume/gas/mist/vapour/aerosol.
P273 Avoid release into the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection/...
P321 Special handling (see on this label).
P362+P364 Remove contaminated clothing and wash before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional Hazard Statements:

EUH208 Contains 2-n-butylbenzo[d]isothiazol-3-one. May cause allergic reactions.

Includes:

octhlinone (ISO), 2-octyl-2H-isothiazol-3-one

Active substances:

2-n-butylbenzo[d]isothiazol-3-one
Silver phosphate glass
octhlinone (ISO); 2-octyl-2H-isothiazol-3-one

2.3 Other hazards.

Under normal conditions of use and in its original form, the product has no other negative effects on health and the environment.

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
CAS No.: 13475-82-6 EC No: 236-757-0 Registrierungsnummer: 01-2119490725-29-XXXX	2,2,4,6,6-pentamethylheptane	25 - 50 %	Aquatic Chronic 4, H413 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226	-
Index No: 606-079-00-3 CAS No: 4299-07-4 EC No: 420-590-7	2-n-butylbenzo[d]isothiazol-3-one	0.25 - 1 %	Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Skin Corr. 1B, H314 - Skin Sens. 1, H317	-

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Index No.: 613-112-00-5 CAS No: 26530-20-1 EC No: 247-761-7 Registrierungsnummer: 01-2120768921-45-XXXX	octhilinone (ISO), 2-octyl-2H-isothiazol-3-one	0.05 - 0.25 %	Acute Tox. 3 *, H311 - Acute Tox. 3 *, H331 - Acute Tox. 4 *, H302 - Aquatic Acute 1, H400 (M=10) - Aquatic Chronic 1, H410 (M=1) - Skin Corr. 1B, H314 - Skin Sens. 1, H317	Skin Sens. 1, H317: C ≥ 0.05 %.
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(*) 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.

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.

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.

If necessary, remove contact lenses if it is easy to do. Flush eyes with plenty of clean, fresh water for at least 10 minutes, pulling eyelids up and seeking medical attention at first opportunity.

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.

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.

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

4.3 Indication of immediate medical attention or special treatment.

In case of doubt or symptoms of indisposition, call for medical help. Never give substances or liquids of any kind to an unconscious person. If the person vomits, clear the airway. Make sure the person is comfortable. Turn them onto their left side and stay with them until medical help arrives.

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.

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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. Residues of the product and extinguishing agents can contaminate watercourses.

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.

Environmentally hazardous Product, in case of spillage of large quantities or contamination of lakes, rivers or canals caused by the product, inform the competent authorities according to local legislation. Avoid contamination of drains, surface or underground waters and soil.

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).

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.

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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:	Professional use Industrial use Solvent based paint (1K)		
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:	AX		
Hand protection:			
PPE:	Protective gloves against chemical products		
Features:	"CE" mark category III.		
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420		
Retention:	They must be stored in a dry place away from possible sources of heat and, if possible, not exposed to sunlight. The gloves must not be modified in any way that may affect their resistance, nor must they be painted, solved or glued.		
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:	Chloroprene	Breakthrough time (min): > 480	Material thickness (mm): 0,18
Material:	Nitrile	Breakthrough time (min): > 480	Material thickness (mm): 0,38
Protective measures for the eyes:			
No personal protective equipment is required if the product is handled correctly.			
Protective measures for the skin:			
No personal protective equipment is required if the product is handled correctly.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: White liquid with characteristic odor

Color: Blanco

Smell: característico

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

pH: N.V./N.A.

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

Boiling point: 558 °C

Flash point estimated: 63 °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: 0.025

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

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Relative density: 1.39
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.

Stable under the recommended conditions for handling and storage (see section 7).

10.3 Possibility of hazardous reactions.

The product does not present any possibility of hazardous reactions occurring.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

To avoid exothermic reactions, keep away from propellants and strongly alkaline or acidic substances.

10.6 Hazardous decomposition products.

No decomposition when used for the intended purposes.

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.

Splashes of the product in the eyes may cause irritation and repairable damage.

Toxicological information on the substances contained in the mixture.

Name	Acute toxicity			
	Type	Try	Art	Value
octhilinone (ISO), 2-octyl-2H-isothiazol-3-one CAS No: 26530-20-1 EC No: 247-761-7	Oral	LD50	Rata	550 mg/kg
	Dermal	LD50	Ratón	690 mg/kg
	Inhalative			

(a) acute toxicity,

No conclusive data for classification.

Acute Toxicity Estimates (ATE):

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Mixtures:

ATE (dermal) = 222,222 mg/kg

(b) Corrosive/irritant effect on the skin,
Based on available data, the classification criteria are not met.

(c) Serious eye damage/irritation,
No conclusive data for classification.

(d) Respiratory/skin sensitisation,
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) specific target organ toxicity in case of repeated exposure,
No conclusive data for classification.

j) Aspiration hazard.
Based on available data, the classification criteria are not met.

SECTION 12: ENVIRONMENTAL DISCLOSURES.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Try	Art	Value
octhilinone (ISO), 2-octyl-2H-isothiazol-3-one CAS No: 26530-20-1 EC No: 247-761-7	Fish	LC50	Pez	0.154 mg/l (96 h) [1]
		[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.		
	Aquatic invertebrates	EC50	Crustáceos	0.25 mg/l (48 h) [1]
			[1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.	
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.

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12.3 Bioaccumulative potential.

Information on bioaccumulation of the substances contained.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Stage
octhilinone (ISO), 2-octyl-2H-isothiazol-3-one CAS No: 26530-20-1 EC No: 247-761-7	2,45	19,21	-	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.

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.

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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): i - One-component special coatings, solvent-based

Stage I* (from 01/01/2007): 600 g/l

Level II* (from 01/01/2010): 500 g/l

(*) g/l ready for use

VOC content (w/w): 29.556 %.

VOC content: 410.833 g/l

The provisions of Directive 2004/42/EC on VOC 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

Information regarding the EU Regulation No. 528/2012 on the provision on the market as well as the use of organic products:
Goods treated.

Active substances
2-n-butylbenzo[d]isothiazol-3-one CAS No: 4299-07-4 EC No: 420-590-7
Silver phosphate glass CAS No: 308069-39-8
octhilinone (ISO); 2-octyl-2H-isothiazol-3-one CAS No: 26530-20-1 EC No: 247-761-7

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 INFORMATION.

Full text of H- sentences appearing in paragraph 3:

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic by inhalation.
H400	Very toxic to aquatic organisms.
H410	Very toxic to aquatic life with long lasting effects.
H413	May be harmful to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 3 : Acute dermal toxicity, category 3

Acute Tox. 3 : Acute inhalation toxicity, category 3

Acute Tox. 4 : Acute oral toxicity, category 4

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Aquatic Acute 1 : Acute aquatic toxicity, Category 1
Aquatic Chronic 1 : Chronic aquatic toxicity, Category 1
Aquatic Chronic 3 : Chronic aquatic toxicity, Category 3
Aquatic Chronic 4 : Chronic aquatic toxicity, Category 4
Asp. Tox. 1 : Aspiration hazard, Category 1
Flam. Liq. 3 : Flammable liquid, category 3
Skin Corr. 1B : Skin corrosive, category 1B
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.

Abbreviations and acronyms used:

AwSV: Ordinance on installations for handling substances hazardous to water.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
EC50: Average effective concentration.
PPE: Personal security equipment.
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).
WGK: Water hazard classes.

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 on 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 contained in this safety data sheet is based on the current state of knowledge and the relevant national and EU legislation 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, it is the user's sole responsibility to take measures to comply with the legal requirements.