

SAFETY DATA SHEET

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



FAKOLITH[®]
chemical systems

Version: 1

Last change: 02/12/2020

Page 1 from 9

Print date: 24/11/2021

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

1.1 Product identifier.

Product Name: FAKOLITH FK 37

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

Industrial use
Professional use
Dilutions

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 4 : May be harmful to aquatic life with long lasting effects.
Asp. Tox. 1 : May be fatal if swallowed and enters airways.
Flam. Liq. 3 : Flammable liquid and vapour.

2.2 Marking elements.

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

Pictograms:



Signal word:

Danger

-Continued on the next page.

SAFETY DATA SHEET

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



FAKOLITH[®]
chemical systems

Version: 1

Last change: 02/12/2020

Page 2 from 9

Print date: 24/11/2021

H-phrases:

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H413	May be harmful to aquatic life with long lasting effects.

P phrases:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not smoke.
P273	Avoid release into the environment.
P301+P310	If SWALLOWED: Call GIDTINFORMATIONSZENTRUM/doctor/immediately.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use extinguishing media recommended in section 5 of this safety data sheet.
P403+P235	Store in a well-ventilated place. Keep cool.

Includes:

2,2,4,6,6-pentamethylheptane

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 - 100 %	Aquatic Chronic 4, H413 - Asp. Tox. 1, H304 - Flam. Liq. 3, H226	-

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

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 stops, give mouth-to-mouth resuscitation. Do not administer drugs orally. Place unconscious persons in a suitable position and seek medical attention.

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.

-Continued on the next page.

SAFETY DATA SHEET

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



FAKOLITH[®]
chemical systems

Version: 1

Last change: 02/12/2020

Page 3 from 9

Print date: 24/11/2021

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.

Harmful product, prolonged exposure by inhalation may cause anaesthetic effects and require immediate medical attention.

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 unconscious persons. Do not induce vomiting. If the person vomits, clear the airway.

SECTION 5: FIRE-FIGHTING MEASURES.

Flammable product, necessary precautions must be taken to avoid risks, in case of fire the following measures are recommended:

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.

During a fire and depending on its extension, the following may occur:

- Flammable vapours or gases

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 groundwater or waterways. Follow the instructions of the emergency and evacuation plan(s) in case of fire, if available.

Fire Protection Equipment.

Depending on the extent of the fire, it may be necessary to wear thermal protective suits, suitable breathing apparatus, gloves, goggles or face mask and boots. During firefighting operations, and depending on the size of the fire and its proximity, additional protective equipment may be necessary, such as chemical gloves, heat-resistant or gas-tight suits.

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

6.1 Personal precautions, protective equipment and emergency procedures.

Remove all possible sources of ignition and ventilate the entire area thoroughly. Do not smoke Do not breathe vapors under any circumstances. For exposure control and personal protection, see Section 8.

6.2 Environmental protection measures.

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.

-Continued on the next page.

SAFETY DATA SHEET

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

FAKOLITH FK 37



Version: 1

Last change: 02/12/2020

Page 4 from 9

Print date: 24/11/2021

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.

Vapour is heavier than air and spreads near the ground where it can form explosive mixtures with the air. Flammable or explosive concentrations of vapour with air should therefore be avoided. Concentrations in excess of the occupational exposure limits should also be avoided. The preparation may only be used in areas where no open flames or ignition points are present or expected. The electrical installation in these areas must be spark and explosion proof in accordance with the relevant regulations. The preparation can become electrostatically charged. For this reason, the containers must always be grounded when decanting. Workers handling the preparation must wear antistatic footwear with conductive soles and antistatic work clothing. All containers must be kept tightly closed at all times and kept away from heat sources, sparks and open flames. No spark-producing tools shall be used. 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.

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:	Industrial use Professional use Dilutions
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:	A1
Hand protection:	
PPE:	Protective gloves against chemical products



-Continued on the next page.

SAFETY DATA SHEET

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



FAKOLITH FK 37



FAKOLITH[®]
chemical systems

Version: 1

Last change: 02/12/2020

Page 5 from 9

Print date: 24/11/2021

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:	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			
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:	Work shoes			
Features:	"CE" mark category II.			
CEN standards:	EN ISO 13287, EN 20347			
Retention:	This article 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 the event of an accident. It is necessary to check for which work these shoes are suitable.			

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

9.1 Information on basic physical and chemical properties.

Appearance: Colourless and odourless liquid

Color: incoloro

Smell: inodoro

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

pH: N.V./N.A.

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

Boiling point: 184 °C

Flash point estimated: 45 °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: N.V./N.A.

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

Relative density: 0.74

Solubility: N.V./N.A.

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

Water solubility: immiscible

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.

-Continued on the next page.

SAFETY DATA SHEET

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

FAKOLITH FK 37



Version: 1

Last change: 02/12/2020

Page 6 from 9

Print date: 24/11/2021

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.

If the storage conditions are fulfilled, no dangerous reactions take place.

10.2 Chemical stability.

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

10.3 Possibility of hazardous reactions.

Flammable liquid and vapor.

Pyrolysis and dehydration may occur at high temperatures.

10.4 Conditions to avoid.

Avoid the following conditions:

- heating
- High temperatures
- Static discharges
- Contact with incompatible materials
- Avoid temperatures close to the burning point, do not heat in closed containers. Avoid direct sunlight and heating, fire hazard may result.

10.5 Incompatible materials.

Avoid the following materials:

- acids
- bases
- oxidizing agent
- Explosive substances
- Toxic substances
- Oxidizing substances

10.6 Hazardous decomposition products.

In case of fire, hazardous decomposition products such as carbon monoxide and dioxide, smoke and nitrogen oxide may be generated.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

No test data of the product are available.

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.

(a) acute toxicity,

No conclusive data for classification.

(b) Corrosive/irritant effect on the skin,

No conclusive data for classification.

(c) Serious eye damage/irritation,

No conclusive data for classification.

-Continued on the next page.

SAFETY DATA SHEET

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



FAKOLITH[®]
chemical systems

Version: 1

Last change: 02/12/2020

Page 7 from 9

Print date: 24/11/2021

(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) 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.

Classified Product:

Aspiration hazard, Category 1: May be fatal if swallowed and enters airways.

SECTION 12: ENVIRONMENTAL DISCLOSURES.

12.1 Toxicity.

No information is available on the ecotoxicity of the substances contained.

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 substances contained in the product.

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.

-Continued on the next page.

SAFETY DATA SHEET

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

FAKOLITH FK 37



Version: 1

Last change: 02/12/2020

Page 8 from 9

Print date: 24/11/2021

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.

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 1: slightly hazardous for water. (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.
H304	May be fatal if swallowed and enters airways.
H413	May be harmful to aquatic life with long lasting effects.

Classification codes:

Aquatic Chronic 4 : Chronic aquatic toxicity, Category 4

Asp. Tox. 1 : Aspiration hazard, Category 1

Flam. Liq. 3 : Flammable liquid, category 3

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

-Continued on the next page.

SAFETY DATA SHEET

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

FAKOLITH FK 37



Version: 1

Last change: 02/12/2020

Page 9 from 9

Print date: 24/11/2021

Abbreviations and acronyms used:

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

CEN: European Committee for Standardization.

PPE: Personal security equipment.

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.