

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)



DISPERLITH FK 5

Version: 2
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SECTION 1: IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY/UNDERTAKING.

1.1 Product identifier.

Product Name: DISPERLITH FK 5

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

Waterbased paint

Uses advised against:

Uses other than those recommended.

1.3 Details of the supplier of the safety data sheet.

•Manufacturer/Supplier:

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

•Information Department:

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

1.4 Emergency telephone number:

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: HAZARDS IDENTIFICATION.

2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Aquatic Chronic 3 : Harmful to aquatic life with long lasting effects.

2.2 Label elements.

Labelling in accordance with Regulation (EU) No 1272/2008:

H statements:

H412 Harmful to aquatic life with long lasting effects.

P statements:

P273 Avoid release to the environment.

P501 Dispose of contents/container according to local/regional/national/international legislation.

EUH statements:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one. May produce an allergic reaction.

Contains:

2-octyl-2H-isothiazol-3-one

Active substances:

Silver phosphate glass

2-n-butyl-benzo[d]isothiazol-3-one

1,2-benzisothiazol-3(2H)-one

pyridine-2-thiol 1-oxide, sodium salt

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2-octyl-2H-isothiazol-3one

2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

The mixture does not contain any substances classified as PBT.

The mixture does not contain any substances classified as vPvB.

The mixture does not contain any substances with endocrine disrupting properties.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

3.1 Substances.

Not Applicable.

3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	Specifics concentration limits and Acute toxicity estimate
Index No: 613-088-00-6 CAS No: 2634-33-5 EC No: 220-120-9 Registration No: 01-2120761540-60-XXXX	1,2-benzisothiazol-3(2H)-one	0.01 - 0.036 %	Acute Tox. 2, H330 - Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=1) - Aquatic Chronic 1, H410 (M=1) - Eye Dam. 1, H318 - Skin Irrit. 2, H315 - Skin Sens. 1A, H317	Skin Sens. 1A, H317: C ≥ 0,036 % Inhalation: ETA = 0.21 mg/L (ATP 21) Oral: ETA = 450 mg/kg bw (ATP 21)
Index No: 613-112-00-5 CAS No: 26530-20-1 EC No: 247-761-7 Registration No: 01-2120768921-45-XXXX	2-octyl-2H-isothiazol-3one	0.0025 - 0.025 %	Acute Tox. 2, H330 - Acute Tox. 3, H311 - Acute Tox. 3, H301 - Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 1, H410 (M=100) - Eye Dam. 1, H318 - Skin Corr. 1, H314 - Skin Sens. 1A, H317, EUH071	Skin Sens. 1A, H317: C ≥ 0,0015 % Dermal: ETA = 311 mg/kg bw (ATP 15) Inhalation: ETA = 0.27 mg/L (ATP 15) Oral: ETA = 125 mg/kg bw (ATP 15)

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Index No: 613-344-00-7 CAS No: 3811-73-2 EC No: 223-296-5 Registration No: 01-2119493385-28-XXXX	Pyridine-2-thiol 1-oxide, sodium salt	0 - 0.25 %	Acute Tox. 3, H311 - Acute Tox. 3, H331 - Acute Tox. 4, H302 - Aquatic Acute 1, H400 (M=100) - Aquatic Chronic 1, H410 - Eye Irrit. 2, H319 - STOT RE 1, H372(sistema nervioso) - Skin Irrit. 2, H315 - Skin Sens. 1, H317, EUH070	Dermal: ETA = 790 mg/kg pc (ATP 18) Inhalation: ETA = 0.5 mg/l (ATP 18) Oral: ETA = 500 mg/kg pc (ATP 18)
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(*) The complete 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.

Additional warnings: The total OIT content is between 0.025- 0.25%, the free OIT content between 0.0025-0.025%. Only the free content is toxicologically relevant and must be considered for the classification of the preparation with regard to the following properties: Environmental hazard, skin and eye irritation and sensitisation. For the wording of the possible hazards listed here see chapter 16.

Note: Product is non-skin sensitising (H317) based on results of similar mixtures tested according to the extrapolation principle described in Article 9 (4) of the CLP regulation: OECD 429 PLNA (mouse) – no skin sensitising (see chapter 11.1)

SECTION 4: FIRST AID MEASURES.

4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

Inhalation.

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. NEVER use solvents or thinners.

Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

It may cause an allergic reaction, dermatitis, redness or inflammation of the skin.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious. If the person vomits, clear the respiratory tract. Keep the person comfortable. Turn him/her over to the left side and stay there while waiting for medical care.

SECTION 5: FIREFIGHTING MEASURES.

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

5.1 Extinguishing media.

Suitable extinguishing media:

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Extinguisher powder or CO₂. In case of more serious fires, also alcohol-resistant foam and water spray.

Unsuitable extinguishing media:

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

5.2 Special hazards arising from the mixture.

Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways. Product residues and extinguishing media may contaminate the aquatic environment.

Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

SECTION 6: ACCIDENTAL RELEASE MEASURES.

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product dangerous for the environment, in case of large spills or if the product contaminates lakes, rivers, or sewers, inform the responsible authorities according to local legislation. Prevent the contamination of drains, surface or subterranean waters, and the ground.

6.3 Methods and material for containment and cleaning up.

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

SECTION 7: HANDLING AND STORAGE.

7.1 Precautions for safe handling.

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorized persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

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

Storage classe: 12 Non-flammable liquids.

7.3 Specific end use(s).

Not available.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

8.2 Exposure controls.

Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %				
Uses:	Waterbased paint				
Breathing protection:					
PPE:	(Only in spraying/fogging) Filter mask for protection against gases and particles				
Characteristics:	Marked «CE» Category III. The mask must have a wide field of vision and anatomical shape to offer tightness and tightness.				
CEN standards:	EN 136, EN 140, EN 405				
Maintenance:	It should not be stored in places exposed to high temperatures and humid environments before use. The condition of the inhalation and exhalation valves of the facial adapter must be specially controlled.				
Observations:	Only for professional large area spraying or fogging. The manufacturer's instructions regarding the use and maintenance of the equipment must be read carefully. The necessary filters will be attached to the equipment according to the specific characteristics of the risk (Particles and aerosols: P1-P2-P3, Gases and vapors: A-B-E-K-AX) changing according to the manufacturer's advice.				
Filter Type needed:	A2+P2				
Hand protection:					
PPE:	Protective gloves against chemicals.				
Characteristics:	«CE» marking, category III.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420				
Maintenance:	Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives.				
Observations:	Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.				
Material:	Nitrile	Breakthrough time (min.):	> 480	Material thickness (mm):	0,12
Material:	Neoprene	Breakthrough time (min.):	> 480	Material thickness (mm):	0,13
Material:	Chloroprene	Breakthrough time (min.):	> 480	Material thickness (mm):	0,18
Eye protection:					
PPE:	Protective goggles with built-in frame.				
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.				
CEN standards:	EN 165, EN 166, EN 167, EN 168				
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.				
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.				
Skin protection:					
If the product is handled correctly, no individual protection equipment is necessary.					

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

Physical state: Liquid
Colour: White
Odour: Ligth

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Odour threshold: Not applicable/Not available due to the nature/properties of the product
Melting point: Not applicable/Not available due to the nature/properties of the product
Freezing point: Not applicable/Not available due to the nature/properties of the product
Boiling point or initial boiling point and boiling range: >100 °C
Flammability: Not applicable/Not available due to the nature/properties of the product
Lower explosion limit: Not applicable/Not available due to the nature/properties of the product
Upper explosion limit: Not applicable/Not available due to the nature/properties of the product
Flash point: 216 °C (Estimation based on the indication of the Regulation (CE) N°1272/2008.)
Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product
Decomposition temperature: Not applicable/Not available due to the nature/properties of the product
pH: 8 (100%)
Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product
Solubility: Not applicable/Not available due to the nature/properties of the product
Hydrosolubility: Miscible
Liposolubility: Not applicable/Not available due to the nature/properties of the product
Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product
Vapour pressure: 15,664 (Estimation based on the indication of the Regulation (CE) N°1272/2008.)
Absolute density: Not applicable/Not available due to the nature/properties of the product
Relative density: 1,64
Relative vapour pressure: Not applicable/Not available due to the nature/properties of the product
Particle characteristics: Not applicable/Not available due to the nature/properties of the product

9.2 Other information

Not applicable/Not available due to the nature/properties of the product

SECTION 10: STABILITY AND REACTIVITY.

10.1 Reactivity.

The product does not present hazards by their reactivity.

10.2 Chemical stability.

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

10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

10.4 Conditions to avoid.

Avoid any improper handling.

10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

SECTION 11: TOXICOLOGICAL INFORMATION.

11.1 Information on toxicological effects.

Note: Product is non-skin sensitising (H317) based on results of similar mixtures tested according to the extrapolation principle described in Article 9 (4) of the CLP Regulation: OECD 429 PLNA (mouse) – non-skin sensitising (see Chapter 11. 1).

Toxicological information about the substances present in the composition.

Name	Acute toxicity			
	Type	Test	Kind	Value
2-octyl-2H-isothiazol-3one	Oral	LD50	Rat	550 mg/kg
	Dermal	LD50	Mouse	690 mg/kg

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CAS No: 26530-20-1 EC No: 247-761-7	Inhalation
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a) acute toxicity;
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):
Mixtures:
ATE (Dermal) = 2.857.143 mg/kg
ATE (Oral) = 3.061.224 mg/kg

b) skin corrosion/irritation;
Based on available data, the classification criteria are not met.

c) serious eye damage/irritation;
Based on available data, the classification criteria are not met.

d) respiratory or skin sensitisation;
Product classified:
Skin sensitizer, Category 1: May cause an allergic skin reaction.

e) germ cell mutagenicity;
Not conclusive data for classification.

f) carcinogenicity;
Not conclusive data for classification.

g) reproductive toxicity;
Not conclusive data for classification.

h) STOT-single exposure;
Not conclusive data for classification.

i) STOT-repeated exposure;
Not conclusive data for classification.

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

SECTION 12: ECOLOGICAL INFORMATION.

12.1 Toxicity.

Name	Ecotoxicity			
	Type	Test	Kind	Value
2-octyl-2H-isothiazol-3-one	Fish	LC50	Fish	0.154 mg/l (96 h) [1]
	Aquatic invertebrates	EC50	Crustaceans	0.25 mg/l (48 h) [1]
	Aquatic plants			

CAS No: 26530-20-1 EC No: 247-761-7

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12.2 Persistence and degradability.

No information is available regarding the biodegradability of the substances present.
No information is available on the degradability of the substances present. No information is available about persistence and degradability of the product.

12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
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 about the mobility in soil.
The product must not be allowed to go into sewers or waterways.
Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties.

The substance/mixture does not contain components that are endocrine disruptors according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1% or more.

12.7 Other adverse effects.

The product is not affected by the Regulation (EU) 2024/590 of the European Parliament and of the Council of 7 February 2024 on substances that deplete the ozone layer.
No information is available about other adverse effects for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS.

13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.
Follow the provisions of Directive 2008/98/EC regarding waste management.

Waste classification according to the European Waste Catalogue:
08 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 wastes from MFSU and removal of paint and varnish
08 01 99 wastes not otherwise specified

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SECTION 14: TRANSPORT INFORMATION.

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code.

Transportation is not dangerous.

SECTION 15: REGULATORY INFORMATION.

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

The product is not affected by the 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/EC): a - Interior matt walls and ceilings (Gloss <25@60°), water-borne

Phase I* (from 01/01/2007): 75 g/l

Phase II* (from 01/01/2010): 30 g/l

(*) g/l ready to use

VOC content (p/p): 0,09 %

VOC content: 1,468 g/l

The provisions of Directive 2004/42/EC on VOC apply to this product. Refer to the product label and/or technical data sheet for further information.

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

Information related to Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products:
Treated article.

Active substances
Silver phosphate glass CAS No: 308069-39-8
2-n-butyl-benzo[d]isothiazol-3-one CAS No: 4299-07-4 EC No: 420-590-7
1,2-benzisothiazol-3(2H)-one CAS No: 2634-33-5 EC No: 220-120-9

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pyridine-2-thiol 1-oxide, sodium salt

CAS No: 3811-73-2

EC No: 223-296-5

2-octyl-2H-isothiazol-3-one

CAS No: 26530-20-1

EC No: 247-761-7

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Water hazard class (Germany): WGK 2: obviously hazardous to water. (Autoclassified according to the AwSV Regulations)

15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION.

Complete text of the H phrases that appear in section 3:

H301	Toxic if swallowed.
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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Classification codes:

Acute Tox. 2 : Acute toxicity (Inhalation), Category 2
Acute Tox. 3 : Acute toxicity (Dermal), Category 3
Acute Tox. 3 : Acute toxicity (Oral), Category 3
Acute Tox. 4 : Acute toxicity (Oral), Category 4
Aquatic Acute 1 : Acute toxicity to the aquatic environment, Category 1
Aquatic Chronic 1 : Chronic effect to the aquatic environment, Category 1
Aquatic Chronic 3 : Chronic effect to the aquatic environment, Category 3
Asp. Tox. 1 : Aspiration toxicity, Category 1
Eye Dam. 1 : Serious eye damage, Category 1
Skin Corr. 1 : Skin Corrosive, Category 1
Skin Irrit. 2 : Skin irritant, Category 2
Skin Sens. 1 : Skin sensitiser, Category 1
Skin Sens. 1A : Skin sensitiser, Category 1A

Changes regarding to the previous version:

- Changes in the composition of the product (SECTION 3.2).

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Physical hazards	On basis of test data
Health hazards	Calculation method
Environmental hazards	Calculation method

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

AwSV: Facility Regulations for handling substances that are hazardous for the water.
BCF: Bioconcentration factor.
CEN: European Committee for Standardization.
EC50: Half maximal effective concentration.

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PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.
LD50: Lethal dose, 50%.
Log Pow: Logarithm of the partition octanol-water.
NOEC: No observed effect concentration.
WGK: Water hazard classes.

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.