

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.05.2026

Version number 11 (replaces version 10)

Revision: 19.05.2026

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Trade name: **FT500**
- Article number: 6567XX
- UFI: X4J7-E00W-P001-Q86E

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

- Application of the substance / the mixture Hydrophobing agent/ water repellent

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier:
Chemische Fabrik Dr. Stöcker GmbH & Co. KG
Gewerbestrasse 19-25
D-55546 Pfaffen-Schwabenheim
+49 (0)6701 911780

Further information obtainable from:

Safety Department
sicherheit@dr-stoecker.de

1.4 Emergency telephone number:

INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification according to Regulation (EC) No 1272/2008

Eye Dam. 1 H318 Causes serious eye damage.

2.2 Label elements

- Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms



GHS05

- Signal word *Danger*

- Hazard-determining components of labelling:

Isotridecylalcohol, ethoxylated
Hexyl D-glucoside

- Hazard statements

H318 Causes serious eye damage.

- Precautionary statements

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

- Additional information:

EUH208 Contains (Z)-3-methyl-5-phenylpent-2-enenitrile. May produce an allergic reaction.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- PBT: Not applicable

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Trade name: FT500· **vPvB:** Not applicable

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SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 147170-44-3 Reg.nr.: 01-2119489410-39	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: $C \geq 10\%$ Eye Irrit. 2; H319: $4\% \leq C < 10\%$	$\geq 4 - < 10\%$
EC number: 931-216-1 Reg.nr.: 01-2119472309-33	Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412 Specific concentration limits: Skin Irrit. 2; H315: $C \geq 28\%$ Eye Irrit. 2; H319: $C \geq 28\%$	$\geq 2,5 - \leq 10\%$
CAS: 9043-30-5	Isotridecylalcohol, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302	$\geq 3 - \leq 5\%$
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36	2-butoxyethanol Acute Tox. 3, H331; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1.200 mg/kg LC50/4 h inhalative: 3 mg/l	$\leq 2,5\%$
CAS: 54549-24-5 EINECS: 259-217-6 Reg.nr.: 01-2119492545-29	Hexyl D-glucoside Eye Dam. 1, H318	$\geq 1 - \leq 2,5\%$
CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2, H319	$\geq 0 - \leq 2,5\%$
CAS: 53243-59-7 EINECS: 258-446-9	(Z)-3-methyl-5-phenylpent-2-enenitrile Acute Tox. 4, H302; Skin Sens. 1A, H317; Aquatic Chronic 3, H412	$\geq 0 - < 0,1\%$

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

amphoteric surfactants, non-ionic surfactants	$\geq 5 - < 15\%$
cationic surfactants	$< 5\%$
perfumes, preservation agents (PHENOXYETHANOL, BENZISOTHIAZOLINONE)	

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**· **General information:** Immediately remove any clothing soiled by the product.· **After skin contact:** Immediately rinse with water.· **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

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- **After swallowing:** Seek immediate medical advice.
- **4.2 Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
Formation of toxic gases is possible during heating or in case of fire.
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
In case of seepage into the ground inform responsible authorities.
Dilute with plenty of water.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Open and handle receptacle with care.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:**
Store receptacle in a well ventilated area.

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Protect from frost.

Protect from heat and direct sunlight.

· **Storage class:** 12· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

111-76-2 2-butoxyethanol

AGW (Germany)	Long-term value: 49 mg/m ³ , 10 ppm 2(I);EU, DFG; H, Y
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112-34-5 2-(2-butoxyethoxy)ethanol

AGW (Germany)	Long-term value: 67 mg/m ³ , 10 ppm 1,5(I);EU, DFG, Y, 11
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· **DNELs**

147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

Oral	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	12,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	44 mg/m ³ (worker)

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

Oral	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	312,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	187,5 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	44 mg/m ³ (worker)
	Long term - systemic effects, general population	13 mg/m ³ (general population)

111-76-2 2-butoxyethanol

Oral	Acute - systemic effects, general population	26,7 mg/kg bw/day (general population)
	Long term - systemic effects, general population	6,3 mg/kg bw/day (general population)
Dermal	Acute - systemic effects, worker	89 mg/kg (worker)
	Long-term - systemic effects, worker	125 mg/kg bw/day (worker)
	Acute - systemic effects, general population	89 mg/kg (general population)
	Long term - systemic effects, general population	75 mg/kg bw/day (general population)
Inhalative	Acute - local effects, worker	246 mg/m ³ (worker)
	Acute - systemic effects, worker	1.091 mg/m ³ (worker)

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	Long-term - systemic effects, worker	98 mg/m ³ (worker)
	Acute - systemic effects, general population	426 mg/m ³ (general population)
	Acute - local effects, general population	147 mg/m ³ (general population)
	Long term - systemic effects, general population	59 mg/m ³ (general population)

54549-24-5 Hexyl D-glucoside

Oral	Long term - systemic effects, general population	35,7 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	595.000 mg/kg bw/day (worker)
	Long term - systemic effects, general population	357.000 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	420 mg/m ³ (worker)
	Long term - systemic effects, general population	124 mg/m ³ (general population)

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	Long term - systemic effects, general population	5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	83 mg/kg bw/day (worker)
	Long term - systemic effects, general population	50 mg/kg bw/day (general population)
Inhalative	Acute - local effects, worker	101,2 mg/m ³ (worker)
	Long-term - systemic effects, worker	67,5 mg/m ³ (worker)
	Long-term - local effects, worker	67,5 mg/m ³ (worker)
	Acute - local effects, general population	60,7 mg/m ³ (general population)
	Long term - systemic effects, general population	40,5 mg/m ³ (general population)
	Long term - local effects, general population	40,5 mg/m ³ (general population)

· PNECs**147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts**

PNEC aqua - freshwater	0,0135 mg/l (freshwater)
PNEC aqua - marine water	0,0014 mg/l (marine water)
PNEC sediment - freshwater	1 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	0,1 mg/kg sed dw (sediment marine water)
PNEC soil	0,8 mg/kg dw (soil)
PNEC sewage treatment plant	3.000 mg/l (sewage treatment plant)

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

PNEC aqua - freshwater	0,022 mg/l (fresh water)
PNEC aqua - marine water	0,0022 mg/l (marine water)
PNEC aqua - water, intermittent releases	0,0191 mg/l (intermittent release water)
PNEC sediment - freshwater	22,48 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	2,248 mg/kg sed dw (sediment marine water)
PNEC soil	4,483 mg/kg dw (soil)

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PNEC sewage treatment plant	2,96 mg/l (sewage treatment plant)
111-76-2 2-butoxyethanol	
PNEC aqua - freshwater	8,8 mg/l (freshwater)
PNEC aqua - marine water	0,88 mg/l (marine water)
PNEC aqua - water, intermittent releases	9,1 mg/l (intermittent release water)
PNEC sediment - freshwater	34,6 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	3,46 mg/kg sed dw (sediment marine water)
PNEC soil	2,33 mg/kg dw (soil)
PNEC sewage treatment plant	463 mg/l (sewage treatment plant)
54549-24-5 Hexyl D-glucoside	
PNEC aqua - freshwater	0,176 mg/l (freshwater)
PNEC aqua - marine water	0,018 mg/l (marine water)
PNEC sediment - freshwater	0,722 mg/kg sed dw (sediment fresh water)
PNEC sediment - marine water	0,072 mg/kg sed dw (sediment marine water)
PNEC soil	0,654 mg/kg dw (soil)
PNEC sewage treatment plant	100 mg/l (sewage treatment plant)
112-34-5 2-(2-butoxyethoxy)ethanol	
PNEC aqua - freshwater	1,1 mg/l (freshwater)
PNEC aqua - marine water	0,11 mg/l (marine water)
PNEC aqua - water, intermittent releases	11 mg/l (intermittent release water)
PNEC sediment - freshwater	4,4 mg/kg sed dw (freshwater)
PNEC sediment - marine water	0,44 mg/kg sed dw (sediment marine water)
PNEC soil	0,32 mg/kg dw (soil)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

Do not eat, drink, smoke or sniff while working.

· **Respiratory protection:** Not required

· **Hand protection** Not required

· **Material of gloves** Nitrile rubber, NBR

· **Eye/face protection** Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Liquid

· Colour:

Yellowish

· Odour:

Characteristic

· Odour threshold:

No further relevant information available.

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· Melting point/freezing point:	No further relevant information available.
· Boiling point or initial boiling point and boiling range	No further relevant information available.
· Flammability	Not applicable
· Lower and upper explosion limit	
· Lower:	No further relevant information available.
· Upper:	No further relevant information available.
· Flash point:	No further relevant information available.
· Auto-ignition temperature:	No further relevant information available.
· Decomposition temperature:	No further relevant information available.
· pH at 20 °C	3,5-4,5 (DIN 19268)
· Viscosity:	
· Kinematic viscosity	No further relevant information available.
· Dynamic:	No further relevant information available.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	
· Vapour pressure:	Does not apply to mixtures.
· Density and/or relative density	No further relevant information available.
· Density at 20 °C:	1,015-1,025 g/cm ³ (DIN 51757)
· Relative density	No further relevant information available.
· Vapour density	No further relevant information available.
· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Molecular formula	
· Oxidising properties	No further relevant information available.
· Evaporation rate	No further relevant information available.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** oxidizing agent
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

Oral	LD50	2.430 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rat)

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

Oral	LD50	>2.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)

9043-30-5 Isotridecylalcohol, ethoxylated

Oral	LD50	>300-2.000 mg/kg (rat) (OECD 423)
	ATE	556 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit)
	EC50/72 h	>1-10 mg/l (Desmodemus subspicatus) (OECD 201)

111-76-2 2-butoxyethanol

Oral	LD50	1.200 mg/kg (ATE)
		1.414 mg/kg (pd)
		1.000-2.000 mg/kg (rat)
Dermal	LD50	2.000 mg/kg (rat)
		>1.000-2.000 mg/kg (rabbit)
Inhalative	LC50/4 h	3 mg/l (ATE)

54549-24-5 Hexyl D-glucoside

Oral	LD50	>2.000 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit)

112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	2.410-5.530 mg/kg (mouse)
		5.660 mg/kg (rat)
Dermal	LD50	2.764 mg/kg (rat)
		>2.000 mg/kg (rabbit) (OECD 402)

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- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:**
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
No further relevant information available.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

147170-44-3 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts

NOEC	0,1-1 mg/l (Oncorhynchus mykiss)
NOEC 21 d	0,3 mg/l (Daphnia magna)
LC50/96 h	>1-10 mg/l (fish)
EC50/48 h	1,9 mg/l (Daphnia magna)
EC50/72 h	>1-10 mg/l (Scenedesmus subspicatus)

Fatty acids, C18 unsatd., reaction products with triethanolamine, di-Me sulfate-quaternized

NOEC 21 d	0,268 mg/l (Daphnia magna) (OECD 211)
NOEC 30 d	0,224 mg/l (Daphnia magna) (OECD 210)
LC50/96 h	1,19 mg/l (Oncorhynchus mykiss) (OECD 203; ISO 7346; 84/449/EWG, C.1, semistatisch)
EC10/21 d	0,346 mg/l (Daphnia magna) (OECD 211)
EC10/96 h	1,48 mg/l (Desmodesmus subspicatus) (OECD 201)
EC50/48 h	2,23 mg/l (Daphnia magna) (OECD-Richtlinie 202, Teil 1, statisch)
EC50/96 h	2,14 mg/l (Scenedesmus subspicatus) (OECD 201)

9043-30-5 Isotridecylalcohol, ethoxylated

NOEC 21 d	2,48-3,76 mg/l (Daphnia magna) (CESIO)
LC50/96 h	>1-10 mg/l (Cyprinus carpio) (OECD 203)
EC50/48 h	>1-10 mg/l (Daphnia magna) (OECD 202)

111-76-2 2-butoxyethanol

LC50/96 h	1.474 mg/l (Oncorhynchus mykiss) (OECD 203)
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EC50	>700 mg/l (<i>Pseudomonas putida</i>) 16h
EC50/48 h	1.550 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC50/72 h	911-1.840 mg/l (<i>Pseudokirchneriella subcapitata</i>)
54549-24-5 Hexyl D-glucoside	
NOEC 21 d	>1-10 mg/l (<i>Daphnia magna</i>)
NOEC 72 h	>100 mg/l (algae)
LC50/96 h	>100 mg/l (<i>Oncorhynchus mykiss</i>)
EC50/48 h	>100 mg/l (<i>Daphnia magna</i>)
EC50/72 h	>100 mg/l (algae)
112-34-5 2-(2-butoxyethoxy)ethanol	
NOEC 96 h	>100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
NOEC 48 h	>100 mg/l () (OECD 202)
EC10/30 min	>1.995 mg/l (bel) (DEV - L2 OECD 209)
LC50/96 h (static)	1.300 mg/l (<i>Lepomis macrochirus</i>) (OECD 203)
EC50	4.950 mg/l (<i>Daphnia magna</i>) 48 h
EC50/24 h	2.850 mg/l (<i>Daphnia magna</i>)
EC50/48 h (static)	>100 mg/l (<i>Daphnia magna</i>) (OECD 202)
EC50/96 h	>100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
EC50/72 h (static)	>100 mg/l (<i>Desmodesmus subspicatus</i>) (OECD 201)
12.2 Persistence and degradability	
111-76-2 2-butoxyethanol	
OECD 301 E	95 % ()

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:**

The product does not contain organically bounded halogens (AOX-free).

The product does not contain organic complexing agents.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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Dispose of contents/container in accordance with local/regional/national/international regulations.

European waste catalogue

07 06 04* other organic solvents, washing liquids and mother liquors

15 01 10* packaging containing residues of or contaminated by hazardous substances

Uncleaned packaging:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number**ADR, ADN, IMDG, IATA** Void**14.2 UN proper shipping name****ADR, ADN, IMDG, IATA** Void**14.3 Transport hazard class(es)****ADR, ADN, IMDG, IATA****Class** Void**14.4 Packing group****ADR, IMDG, IATA** Void**14.5 Environmental hazards:****Marine pollutant:** No**14.6 Special precautions for user**

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

REGULATION (EU) 2019/1148**Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

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· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· **Relevant phrases**

H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H331 Toxic if inhaled.
 H412 Harmful to aquatic life with long lasting effects.

· **Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· **Department issuing SDS:** Department R&D

· **Contact:** Department R&D

· **Date of previous version:** 19.05.2026

· **Version number of previous version:** 10

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 ATE: Acute toxicity estimate values
 Acute Tox. 4: Acute toxicity – Category 4
 Acute Tox. 3: Acute toxicity – Category 3
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1A: Skin sensitisation – Category 1A
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **Sources**

(EC) No 1907/2006 (REACH) as amended.
 (EC) No. 1272/2008 (CLP) in the valid version
 Guidance on the compilation of safety data sheets as amended (ECHA)
 Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)
 Safety data sheets of the ingredients

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· *** Data compared to the previous version altered.**

DE-EU