

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

1.1. Product identifier

Mixture identification:

Trade name: HYDROFAN PHTALO BLUE

Trade code: LNHF0168

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

Recommended use: Coatings and paints, thinners, paint removers

Mono compound enamel - finish coat

Water pigmented dispersion

Professional uses

Uses advised against: N.A.

1.3. Details of the supplier of the safety data sheet

Company: Lechler SpA - Via Cecilio, 17 - 22100 Como - CO - Italy

Telephone: +39031586111

First Email: safety@lechler.eu

1.4. Emergency telephone number

UNITED KINGDOM: Emergency Number 0044 1606738600 - This telephone number is available during office hours only (8.45-16.45).

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) n. 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards 2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Special Provisions:

EUH208	Contains [N,N,N',N',N'',N''-hexaethyl-29H,31H-phthalocyaninetrimethylaminato(2-)-N29,N30,N31, N32]copper. May produce an allergic reaction.
EUH208	Contains 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.
EUH208	Contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None.

2.3. Other hazards

Results of PBT and vPvB assessment Not a PBT, vPvB substance as per the criteria of the REACH Regulation. Endocrine disrupting properties-Toxicity The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Endocrine disrupting properties-Ecotoxicity The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances N.A.

3.2. Mixtures

Mixture identification: HYDROFAN PHTALO BLUE

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name		Ident. Numb.	Classification		Registration Number
≥5 - ≤7 %	C.I. Pigment Blue 15		CAS:147-14-8 EC:205-685-1	Not classified as hazar	dous	01-2119458771-32
≥3 - ≤5 %	2-butoxyethanol; ethy monobutyl ether	lene glycol	CAS:111-76-2 EC:203-905-0 Index:603-014- 00-0	Acute Tox. 3, H331 Ac H302 Skin Irrit. 2, H31 2, H319		01-2119475108-36
			00-0	Acute Toxicity Estimat ATE - Oral: 1200mg/k ATE - Inhalation (Vapo	g bw	
≥0.25 - ≤0.3 %	[N,N,N',N',N'',N''-hexa 29H,31H- phthalocyaninetrimeth -)-N29,N30,N31,N32]o	ylaminato(2	CAS:28654-73-1 EC:249-125-4	Skin Sens. 1B, H317		01-2119971074-38
≥0.1 - ≤0.25 %	triethylamine		CAS:121-44-8 EC:204-469-4 Index:612-004- 00-5	Flam. Liq. 2, H225 Acu H302 Acute Tox. 3, H3 Tox. 3, H311 Skin Cor STOT SE 3, H335	31 Acute	01-2119475467-26
				Specific Concentration $C \ge 1\%$: STOT SE 3 H		
< 0,1 %	1-methoxy-2-propano	I	CAS:107-98-2 EC:203-539-1 Index:603-064- 00-3	Flam. Liq. 3, H226; ST H336	OT SE 3,	01-2119457435-35
< 0,1 %	2-methylisothiazol-3(2	2H)-one	EC:220-239-6	Acute Tox. 3, H301 Ac H330 Acute Tox. 3, H3 Corr. 1B, H314 Eye Da Skin Sens. 1A, H317 A 1, H400 Aquatic Chron M-Chronic:1, M-Acute:	11 Skin Im. 1, H318 Iquatic Acute Iic 1, H410,	
				Specific Concentration $C \ge 0,0015\%$: Skin Se		
< 0,1 %		3-one and 2-	Index:613-167-	Acute Tox. 3, H301 Ac H330 Acute Tox. 2, H3 Corr. 1C, H314 Eye Da Skin Sens. 1A, H317 A 1, H400 Aquatic Chron M-Chronic:100, M-Acu EUH071	10 Skin m. 1, H318 quatic Acute iic 1, H410,	
				Specific Concentration $C \ge 0,6\%$: Skin Corr. $0,06\% \le C < 0,6\%$: S H315 $0,06\% \le C < 0,6\%$: E H319 $C \ge 0,0015\%$: Skin Se $C \ge 0,6\%$: Eye Dam. 1	1C H314 kin Irrit. 2 ye Irrit. 2 ens. 1A H317	
Substance	s in nanoform:					
C.I. Pigmen		CAS:147-14 EC:205-685		e distribution:	D50: >= 10 D90: >= 20	9 nm <= 50 nm 9 nm <= 100 nm 9 nm <= 150 nm 9 nt technique: TEM)

(BET) method using Nitrogen)

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and label hazardous.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

N.A.

4.3. Indication of any immediate medical attention and special treatment needed ${\rm N}$ A

N.A

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

Advice on general occupational hygiene:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s) None in particular Industrial sector specific solutions: None in particular

SECTION 8: Exposure controls/personal protection 8.1. Control parameters

Community Occupational Exposure Limits (OEL)

community occupational	Lxposule)	
	OEL Type	Country	Occupational Exposure Limit	
C.I. Pigment Blue 15 CAS: 147-14-8	EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		
2-butoxyethanol; ethylene glycol monobutyl ether CAS: 111-76-2	EU		Long Term: 98 mg/m3 - 20 ppm; Short Term: 246 mg/m3 - 50 ppm Behaviour Indicative 2000/39/EC	
	EU		Identifies the possibility of significant uptake through the skin	
	EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 25 ppm; Short Term: 50 ppm Can be absorbed through the skin. The assigned substances are those for whi are concerns that dermal absorption will lead to	ich there
[N,N,N',N',N'',N''-hexaethyl- 29H,31H- phthalocyaninetrimethylamin ato(2-)-N29,N30,N31, N32]copper CAS: 28654-73-1		UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND		
triethylamine CAS: 121-44-8	ACGIH		Long Term: 0,5 ppm; Short Term: 1 ppm Skin, A4 - Visual impair, URT irr	
	EH40	UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND	Long Term: 8 mg/m3 - 2 ppm; Short Term: 17 mg/m3 - 4 ppm Can be absorbed through the skin. The assigned substances are those for whi are concerns that dermal absorption will lead to	ich there
	EU		Long Term: 8,4 mg/m3 - 2 ppm; Short Term: 12,6 mg/m3 - 3 ppm Behaviour Indicative 2000/39/EC	
	EU		Identifies the possibility of significant uptake through the skin	
1-methoxy-2-propanol CAS: 107-98-2	EU		Long Term: 375 mg/m3 - 100 ppm; Short Term: 568 mg/m3 - 150 ppm Behaviour Indicative 2000/39/EC	
	EU		Identifies the possibility of significant uptake through the skin	
	EH40	UNITED KINGDOM OF GREAT	Long Term: 375 mg/m3 - 100 ppm; Short Term: 560 mg/m3 - 150 ppm Can be absorbed through the skin. The assigned substances are those for whi are concerns that dermal absorption will lead to	ich there
Dete 04/00/2024	Draduation			4 -6 10

BRITAIN AND NORTHERN IRELAND

	ACGIH	Long Term: 50 ppm; Short Term: 100 ppm A4 - Eye and URT irr
Biological limit values		
2-butoxyethanol;	l Value: 200 mg/g Creatinir	kyacetic acid (BAA); Sampling Period: End of turn ne; Medium: Urine ble occupational exposure limits in the workplace - Table 3. Adopted Biological
	Value: 200 mg/g Creatinir	xyacetic acid (BAA); Sampling Period: End of turn; End of working week ne; Medium: Urine Biological Exposure Indices
	Value: 17 mmol/mmol cre	kyacetic acid (BAA); Sampling Period: End of turn; End of working week atinine; Medium: Urine Biological Exposure Indices
	Biological Indicator: Butox working hours Value: 150 mg/g Creatinir Remark: TRGS 903 - Biolo	
	Biological Indicator: Buto» than one shift Value: 100 mg/L; Medium	xyacetic acid (BAA); Sampling Period: In case of long-term exposure: after more
	Remark: TRGS 903 - Biolo	ogical limit values
	Value: 200 mg/g Creatinir	<pre>kyacetic acid (BAA); Sampling Period: End of turn he; Medium: Urine Norm NOM-047-SSA1-2011, Environmental Health - Biological exposure indices</pre>
	Value: 200 mg/g Creatinir	xyacetic acid (BAA); Sampling Period: End of turn ne; Medium: Urine n 1796 - Biological Exposure Indices
	Biological Indicator: meth work shift after several co Value: 150 mg/g Creatinin Remark: Slovenia. BAT-va	ne; Medium: Urine
	Value: 200 mg/g Creatinir	kyacetic acid (BAA); Sampling Period: End of workday ne; Medium: Urine posure Limits for Chemical Agents in Spain - Biological Exposure Values
	Biological Indicator: 2-but	oxy acetic acid; Sampling Period: Immediately after exposure or after working
	hours Value: 150 mg/g Creatinir Remark: Svizzera. Lista d	ne; Medium: Urine
		xyacetic acid (BAA); Sampling Period: After shift mole Creatinine; Medium: Urine onitoring guidance values
	Value: 200 mg/g Creatinir	xyacetic acid (BAA); Sampling Period: End of turn ne; Medium: Urine ori di Esposizione Biologica (BEI)
	Biological Indicator: Buto» Value: 200 mg/g Creatinin Remark: VE.Biological Exp	
	Sampling Period: In case	of long-term exposure: after more than one shift
	Sampling Period: End of t	urn
	Sampling Period: In case	of long-term exposure: after more than one shift
1-methoxy-2-propanol CAS: 107-98-2	Biological Indicator: 1-Met hours Value: 15 mg/L; Medium: Remark: TRGS 903 - Biolo	
	Biological Indicator: 1-me Value: 15 mg/L; Medium: Remark: Slovenia. BAT-va	

Biological Indicator: 1-methoxypropanol-2; Sampling Period: Immediately after exposure or after working hours Value: 2219 micromol per litre; Medium: Urine

Remark: Svizzera. Lista di valori BAT Biological Indicator: 1-methoxypropanol-2; Sampling Period: Immediately after exposure or after working hours

Value: 20 mg/L; Medium: Urine Remark: Svizzera. Lista di valori BAT

Predicted No Effect Concentration (PNEC) values

2-butoxyethanol; Exposure Route: Fresh Water; PNEC Limit: 8,8 mg/l ethylene glycol monobutyl ether CAS: 111-76-2

	Exposure Route: Intermittent releases (fresh water); PNEC Limit: 26,4 mg/l
	Exposure Route: Marine water; PNEC Limit: 0,88 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 34,6 mg/kg dry weight (d.w.)
	Exposure Route: Marine water sediments; PNEC Limit: 3,46 mg/kg dry weight (d.w.)
	Exposure Route: Soil; PNEC Limit: 2,33 mg/kg dry weight (d.w.)
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 436 mg/l
triethylamine CAS: 121-44-8	Exposure Route: Fresh Water; PNEC Limit: 0,064 mg/l
	Exposure Route: Marine water; PNEC Limit: 0,006 mg/l
	Exposure Route: Intermittent releases (fresh water); PNEC Limit: 0,064 mg/l
	Exposure Route: Freshwater sediments; PNEC Limit: 0,199 mg/kg
	Exposure Route: Soil; PNEC Limit: 2,361 mg/kg
	Exposure Route: Microorganisms in sewage treatments; PNEC Limit: 100 mg/l
Derived No Effect Level	(DNEL) values
2-butoxyethanol; ethylene glycol monobutyl ether CAS: 111-76-2	Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects Consumer: 147 mg/m3
	Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Consumer: 426 mg/m3
	Exposure Route: Human Oral; Exposure Frequency: Short Term, systemic effects Consumer: 26,7 mg/kg dry weight (d.w.)
	Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects

Consumer: 59 mg/m3 Exposure Route: Human Oral; Exposure Frequency: Long Term, systemic effects

Consumer: 6,3 mg/kg dry weight (d.w.)

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, local effects Worker Professional: 246 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Worker Professional: 1091 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Professional: 98 mg/m3

triethylamine CAS: 121-44-8 Exposure Route: Human Inhalation; Exposure Frequency: Short Term, systemic effects Worker Professional: 12,6 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Short Term (acute) Worker Professional: 12,6 mg/m3

Exposure Route: Human Dermal; Exposure Frequency: Long Term, systemic effects Worker Professional: 12,1 mg/kg

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, systemic effects Worker Professional: 8,4 mg/m3

Exposure Route: Human Inhalation; Exposure Frequency: Long Term, local effects Worker Professional: 8,4 mg/m3

8.2. Exposure controls

Eye protection: Not needed for normal use. Anyway, operate according good working practices. Protection for skin: No special precaution must be adopted for normal use. Protection for hands: Not needed for normal use. Respiratory protection: N.A. Thermal Hazards: N.A. Environmental exposure controls: N.A. Hygienic and Technical measures N.A.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State: Liquid Colour: N.A. Odour: N.A. pH: Not Relevant Kinematic viscosity: > 20,5 mm2/sec (40 °C) Melting point / freezing point: N.A. Initial boiling point and boiling range: N.A. Flash point: > 93°C Upper/lower flammability or explosive limits: N.A. Vapour density: N.A. Vapour pressure: N.A. Relative density: 1.04 g/cm3 Solubility in water: N.A. Solubility in oil: N.A. Partition coefficient (n-octanol/water): N.A. Auto-ignition temperature: N.A. Decomposition temperature: N.A. Flammability: N.A. Kinematic viscosity m2/s (40°C) > 20,5 mm2/sec (40 °C) Viscosity: = 59.00 s - Method: ISO/DIN 2431 84 - Section: 6.00 mm

Particle characteristics:

Particle size: N.A. Nanoforms: See Nanoform information in Section 3.

9.2. Other information

Evaporation rate: N.A. Miscibility: N.A. Conductivity: N.A. No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not available.

10.3. Possibility of hazardous reactions None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials None in particular.

10.6. Hazardous decomposition products None.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 Toxicological Information of the Preparation

Ioxicolog	ical Informati	on of the Prepar	ation				
a) acute toxicity		Not classified				
			Based on available data, the classification criteria are no	it met			
			ATEmix - Oral : 26667.8 mg/kg bw				
			ATEmix - Dermal : 365456 mg/kg bw				
			ATEmix - Inhalation (Vapours) : 332.985 mg/l				
b) skin corrosion/	/irritation	Not classified				
			Based on available data, the classification criteria are no	t met			
C)) serious eye da	mage/irritation	Not classified				
			Based on available data, the classification criteria are no	t met			
d) respiratory or	skin sensitisation	Not classified				
			Based on available data, the classification criteria are no	t met			
e) germ cell muta	agenicity	Not classified				
			Based on available data, the classification criteria are no	t met			
f)	carcinogenicity		Not classified				
			Based on available data, the classification criteria are no	it met			
g) reproductive to	oxicity	Not classified				
			Based on available data, the classification criteria are not met				
h) STOT-single ex	xposure	Not classified				
			Based on available data, the classification criteria are not met				
i)	STOT-repeated	exposure	Not classified				
			Based on available data, the classification criteria are not met				
j)	aspiration haza	ard	Not classified				
			Based on available data, the classification criteria are not met				
Toxicolog	ical informatio	on on main com	oonents of the mixture:				
2-butoxye ethylene g ether	thanol; lycol monobutyl	a) acute toxicity	ATE - Oral : 1200 mg/kg bw				
			ATE - Inhalation (Vapours) : 3 mg/l				
			LD50 Oral Rat = 1746, mg/kg	OECD Test Guideline 401			
			LD50 Skin Rabbit > 2000, mg/kg	OECD Test Guideline 402			
triethylam	ine	a) acute toxicity	LD50 Oral Rat = 730 mg/kg	OECD Test Guideline 401			
			LC50 Inhalation Rat = 3496 Ppm 1h	OECD Test Guideline 403			
			LD50 Skin Rabbit = 580 mg/kg	OECD Test Guideline 402			
1-methoxy	/-2-propanol	a) acute toxicity	LD50 Oral Rat = 4016 mg/kg				
			LC0 Inhalation Rat > 7000 Ppm 6h LD50 Skin Rat > 2000 mg/kg	OECD Test Guideline 403			

11.2. Information on other hazards

Endocrine disrupting properties:

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment. Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

Not classified for environmental hazards.

No data available for the product

List of Eco-Toxicological properties of the components

	-	
Component	Ident. Numb.	Ecotox Data
2-butoxyethanol; ethylene glycol monobutyl ether	CAS: 111-76-2 - EINECS: 203- 905-0 - INDEX: 603-014-00-0	a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss (rainbow trout) = 1474 mg/L 96 H OECD Test Guideline 203
		a) Aquatic acute toxicity : EC50 Invertebrates Daphnia magna (Water flea) = 1550 mg/L 48 H OECD Test Guideline 202
		e) Plant toxicity : EC50 Algae Pseudokirchneriella subcapitata (green algae) = 911 mg/L 72 H OECD Test Guideline 201
		b) Aquatic chronic toxicity : NOEC Fish Brachydanio rerio > 100 mg/L 21 D OECD Test Guideline 204
1-methoxy-2-propanol	CAS: 107-98-2 - EINECS: 203- 539-1 - INDEX: 603-064-00-3	a) Aquatic acute toxicity: EC50 Invertebrates Daphnia magna (Water flea) 25900 mg/L 48 H
		e) Plant toxicity: EC50 Algae Selenastrum capricornutum (green algae) > 1000 mg/L 7 D

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

No PBT or vPvB substances present in concentration >= 0.1%

12.6. Endocrine disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7. Other adverse effects

N.A.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

Not classified as dangerous in the meaning of transport regulations.

14.1. UN number or ID number

N/A

14.2. UN proper shipping name

ADR-Shipping Name: N/A IATA-Technical name: N/A IMDG-Technical name: N/A

14.3. Transport hazard class(es)

ADR-Class: N/A IATA-Class: N/A IMDG-Class: N/A

14.4. Packing group

ADR-Packing Group: N/A IATA-Packing group: N/A IMDG-Packing group: N/A

14.5. Environmental hazards

Toxic ingredients quantity: 0.00 Very toxic ingredients quantity: 0.00 Marine pollutant: No Environmental Pollutant: No IMDG-EMS: N/A

14.6. Special precautions for user

Road and Rail (ADR-RID):

ADR-Label: N/A

ADR - Hazard identification number: N/A

ADR-Special Provisions: N/A

ADR-Transport category (Tunnel restriction code): N/A

Air (IATA):

IATA-Passenger Aircraft: N/A IATA-Cargo Aircraft: N/A IATA-Label: N/A IATA-Lubel: N/A IATA-Subsidiary hazards: N/A IATA-Erg: N/A IATA-Erg: N/A IATA-Special Provisions: N/A Sea (IMDG): IMDG-Stowage Code: N/A IMDG-Stowage Note: N/A IMDG-Subsidiary hazards: N/A IMDG-Special Provisions: N/A **14.7. Maritime transport in bulk according to IMO instruments**

N.A.

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work) Dir. 2000/39/EC (Occupational exposure limit values) Regulation (EC) n. 1907/2006 (REACH) Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 286/2011 (ATP 2 CLP) Regulation (EU) n. 618/2012 (ATP 3 CLP) Regulation (EU) n. 487/2013 (ATP 4 CLP) Regulation (EU) n. 944/2013 (ATP 5 CLP) Regulation (EU) n. 605/2014 (ATP 6 CLP) Regulation (EU) n. 2015/1221 (ATP 7 CLP) Regulation (EU) n. 2016/918 (ATP 8 CLP) Regulation (EU) n. 2016/1179 (ATP 9 CLP) Regulation (EU) n. 2017/776 (ATP 10 CLP) Regulation (EU) n. 2018/669 (ATP 11 CLP) Regulation (EU) n. 2018/1480 (ATP 13 CLP) Regulation (EU) n. 2019/521 (ATP 12 CLP) Regulation (EU) n. 2020/217 (ATP 14 CLP) Regulation (EU) n. 2020/1182 (ATP 15 CLP) Regulation (EU) n. 2021/643 (ATP 16 CLP) Regulation (EU) n. 2021/849 (ATP 17 CLP) Regulation (EU) n. 2022/692 (ATP 18 CLP) Regulation (EU) n. 2020/878

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product: None.

Restrictions related to the substances contained: 40, 75

Provisions related to directive EU 2012/18 (Seveso III):

None

Regulation (EU) No 649/2012 (PIC regulation)

No substances listed

German Water Hazard Class.

1: Low hazard to waters

German Lagerklasse according to TRGS 510:

LGK 10

SVHC Substances:

Dir. 2010/75/EC (VOC directive)

Volatile Organic compounds - VOCs = 5.51 % Volatile Organic compounds - VOCs = 57.28 g/L Estimated Total Content of Water 72.65 % Estimated Total Solid Content 21.84 %

Classification according to VbF

Classification according to VbF A III - Flash Point > 55 °C up to 100 °C, at 15 °C not miscible with water

Mal-Code (Denmark)

Mal-Code (Denmark)	Mal Factor	Unit of Measure	Revision Status / Number	Regulatory Base
1 - 3	192	m3 air/10 g	1993	Administrative determined MAL-
				Factors

Biocides

REGULATION (EC) No 528/2012

Substance	Treated Article
C(M)IT/MIT (3:1)	In-can preservatives

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Code	Description	
H225	Highly flammable liquid and vapour.	
H226	Flammable liquid and vapour.	
H302	Harmful if swallowed.	
H311	Toxic in contact with skin.	
H314	Causes severe skin burns and eye damag	e.
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
Code	Hazard class and hazard category	Description
2.6/2	Flam. Liq. 2	Flammable liquid, Category 2
2.6/3	Flam. Liq. 3	Flammable liquid, Category 3
3.1/3/Dermal	Acute Tox. 3	Acute toxicity (dermal), Category 3
3.1/3/Inhal	Acute Tox. 3	Acute toxicity (inhalation), Category 3
3.1/4/Oral	Acute Tox. 4	Acute toxicity (oral), Category 4
3.2/1A	Skin Corr. 1A	Skin corrosion, Category 1A
3.2/2	Skin Irrit. 2	Skin irritation, Category 2
3.3/2	Eye Irrit. 2	Eye irritation, Category 2
3.4.2/1B	Skin Sens. 1B	Skin Sensitisation, Category 1B
3.8/3	STOT SE 3	Specific target organ toxicity — single exposure, Category 3
This document	was propared by a competent person who h	as received appropriate training

This document was prepared by a competent person who has received appropriate training. Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended. This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ATE: Acute Toxicity Estimate ATEmix: Acute toxicity Estimate (Mixtures) BCF: Biological Concentration Factor **BEI:** Biological Exposure Index BOD: Biochemical Oxygen Demand CAS: Chemical Abstracts Service (division of the American Chemical Society). CAV: Poison Center CE: European Community CLP: Classification, Labeling, Packaging. CMR: Carcinogenic, Mutagenic and Reprotoxic COD: Chemical Oxygen Demand COV: Volatile Organic Compound CSA: Chemical Safety Assessment CSR: Chemical Safety Report DMEL: Derived Minimal Effect Level DNEL: Derived No Effect Level. **DPD:** Dangerous Preparations Directive DSD: Dangerous Substances Directive EC50: Half Maximal Effective Concentration ECHA: European Chemicals Agency EINECS: European Inventory of Existing Commercial Chemical Substances. ES: Exposure Scenario GefStoffVO: Ordinance on Hazardous Substances, Germany. GHS: Globally Harmonized System of Classification and Labeling of Chemicals. IARC: International Agency for Research on Cancer IATA: International Air Transport Association. IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA). IC50: half maximal inhibitory concentration ICAO: International Civil Aviation Organization. ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO). IMDG: International Maritime Code for Dangerous Goods. INCI: International Nomenclature of Cosmetic Ingredients. IRCCS: Scientific Institute for Research, Hospitalization and Health Care KAFH: KAFH KSt: Explosion coefficient. LC50: Lethal concentration, for 50 percent of test population. LD50: Lethal dose, for 50 percent of test population. LDLo: Leathal Dose Low N.A.: Not Applicable N/A: Not Applicable N/D: Not defined/ Not available NA: Not available NIOSH: National Institute for Occupational Safety and Health NOAEL: No Observed Adverse Effect Level OSHA: Occupational Safety and Health Administration PBT: Persistent, Bioaccumulative and Toxic PGK: Packaging Instruction PNEC: Predicted No Effect Concentration. **PSG:** Passengers RID: Regulation Concerning the International Transport of Dangerous Goods by Rail. STEL: Short Term Exposure limit. STOT: Specific Target Organ Toxicity. TLV: Threshold Limiting Value. TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). vPvB: Very Persistent, Very Bioaccumulative. WGK: German Water Hazard Class. Paragraphs modified from the previous revision: - SECTION 3: Composition/information on ingredients - SECTION 7: Handling and storage

- SECTION 8: Exposure controls/personal protection
- SECTION 9: Physical and chemical properties
- SECTION 11: Toxicological information

- SECTION 14: Transport information
- SECTION 15: Regulatory information
- SECTION 16: Other information