Article	No.: 214	FEYCOTECT 214 Universalprimer			TERCOLOR	
Print d	ate:	21.11.2018	Revision date: 24.1	0.2018	999998 EN	
Version:		1.4 Issue date: 11		.018	Page 1 / 10	
SECT	FION 1: Ide	entification of the	e substance/mixtu	re and of the compa	ny/undertaking	
1.1.	product id	entifiers				
	Article No.	(manufacturer/supp	olier)	214		
		on of the substance		FEYCOTECT 214 Univ gültig für alle Farbtöne		
1.2.	Relevant id	dentified uses of tl	he substance or mix	ture and uses advised	against	
1.3.	Details of t	the supplier of the	safety data sheet			
	manufactu	irer	-			
	FEYCOLO	R GmbH				
	Maxhuetter			Telephone: 0049 (0)94		
	93055 Reg	ensburg		Telefax: 0049 (0)941/6		
				E-mail info@feycolor.c Website: www.feycolor		
	Dent resp	onsible for inform	ation			
	• •	t for dangerous goo		0049 (0)941/60 49 7-0		
			sd@feycolor.com			
1.4.	Emergency	y telephone numb	er			
	Emergency	telephone number		+49 (0) 700 24 11 21 12 (FCM)		
	Österreichi	sche Vergiftungsinf	ormationszentrale	+43 (0) 1406 43 43		
SECT	ΓΙΟΝ 2: Ha	zards identificat	ion			
2.1.	Classificat	tion of the substan	ice or mixture			
	Classificat	tion according to F	Regulation (EC) No 1	272/2008 [CLP]		
	The mixture	e is classified as ha	zardous according to	regulation (EC) No 1272	2/2008 [CLP].	
	Flam. Liq. 3	3 / H226	Flammable liquids		Flammable liqui	d and vapour.
	Skin Irrit. 2		skin corrosion/irritat		Causes skin irrit	
	Eye Dam. 1		Serious eye damage		Causes serious	
	Skin Sens. 1 / H317 Respiratory or skin s				llergic skin reaction.	
	STOT SE 3 / H335 Specific target orga exposure)			May cause resp	-	
	STOT SE 3	3 / H336	Specific target organ exposure)	n toxicity (single	May cause drow	vsiness or dizziness.
	STOT RE 2	2 / H373	Specific target organ exposure)	n toxicity (repeated		age to organs through beated exposure.
	Aquatic Ch	ronic 2 / H411	Hazardous to the ac	quatic environment		life with long lasting effects.

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## 2.2. Label elements

# Labelling according to Regulation (EC) No. 1272/2008 [CLP]







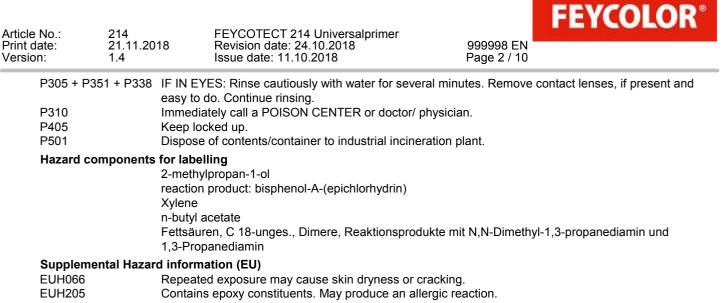




## Hazard statements

H226	Flammable liquid and vapour.				
H315	Causes skin irritation.				
H318	Causes serious eye damage.				
H317	May cause an allergic skin reaction.				
H335	May cause respiratory irritation.				
H336	May cause drowsiness or dizziness.				
H373	May cause damage to organs through prolonged or repeated exposure.				
H411	Toxic to aquatic life with long lasting effects.				
Precautionary statements					

i recultionary states	nenta
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical equipment.
P280	Wear protective gloves and eye/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.



## 2.3. Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## **SECTION 3: Composition / information on ingredients**

## 3.2. Mixtures

## Product description / chemical characterization

**Description** preparation of polyester-PVC resin, pigments, extenders and solvent

#### Hazardous ingredients

## Classification according to Regulation (EC) No 1272/2008 [CLP]

CAS No. INDEX No. 204-658-1
204-658-1
123-86-4
607-025-00-1
215-535-7
1330-20-7
601-022-00-9
201-148-0
78-83-1
603-108-00-1
231-944-3
7779-90-0
030-011-00-6
25068-38-6
200-578-6
64-17-5
603-002-00-5
203-933-3
112-07-2
607-038-00-2
202-849-4
00-41-4
01-023-00-4
8-38-6 578-6 7-5 002-00-5 933-3 07-2 038-00-2 349-4 41-4



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605-296-0 162627-17	'-0 F N	01-211997064 <sup>-</sup> ettsäuren, N,N-Dimethyl-´ Skin Sens. 1A	C I,3-pro	18-unges., ppanediamin un	Dimere, d 1,3-Propa	Reaktionsprodukte nediamin	mit 0,5 < 1

## Additional information

Full text of classification: see section 16

## **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

#### **General information**

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

#### In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

#### Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

#### After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

#### After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

- 4.2. **Most important symptoms and effects, both acute and delayed** In all cases of doubt, or when symptoms persist, seek medical advice.
- 4.3. **Indication of any immediate medical attention and special treatment needed** No special measures are necessary.

## **SECTION 5: Firefighting measures**

5.1. Extinguishing media

## Suitable extinguishing media:

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

## Extinguishing media which must not be used for safety reasons:

strong water jet

## 5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

## 5.3. Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

## **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

## 6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

## 6.3. Methods and material for containment and cleaning up Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

## 6.4. **Reference to other sections** Observe protective provisions (see section 7 and 8).



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## 7.1. Precautions for safe handling

## Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

## Precautions against fire and explosion:

Vapours are heavier than air. Vapours form explosive mixtures with air.

## 7.2. Conditions for safe storage, including any incompatibilities

## Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRBS 2153)".

## Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

## Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

## 7.3. Specific end use(s)

Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

## Occupational exposure limit values:

n-butyl acetate

INDEX No. 607-025-00-1 / EC No. 204-658-1 / CAS No. 123-86-4 MEL/OES, TWA: 724 mg/m3; 150 ppm

INDEX No. 601-022-00-9 / EC No. 215-535-7 / CAS No. 1330-20-7

MEL/OES, STEL: 966 mg/m3; 200 ppm **Xvlene** WEL, TWA: 220 mg/m3; 50 ppm WEL, STEL: 441 mg/m3; 100 ppm BMGV, TWA: 650 mmol/mol creatinine Remark: methyl hippuric acid; urine; end of exposure or end of shift 2-methylpropan-1-ol INDEX No. 603-108-00-1 / EC No. 201-148-0 / CAS No. 78-83-1 WEL, TWA: 154 mg/m3; 50 ppm WEL, STEL: 231 mg/m3; 75 ppm **Fthanol** INDEX No. 603-002-00-5 / EC No. 200-578-6 / CAS No. 64-17-5 WEL, TWA: 1920 mg/m3; 1000 ppm 2-butoxyethyl acetate INDEX No. 607-038-00-2 / EC No. 203-933-3 / CAS No. 112-07-2 WEL, TWA: 133 mg/m3; 20 ppm WEL, STEL: 332 mg/m3; 50 ppm Remark: (May be absorbed through the skin.) ethylbenzene INDEX No. 601-023-00-4 / EC No. 202-849-4 / CAS No. 100-41-4

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WEL, TWA: 441 mg/m3; 100 ppm WEL, STEL: 552 mg/m3; 125 ppm Remark: (May be absorbed through the skin.)

## Additional information

TWA : long-term occupational exposure limit value STEL : short-term occupational exposure limit value Ceiling : peak limitation

## 8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

## Occupational exposure controls

## **Respiratory protection**

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

## Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material 0,7 mm; Breakthrough time (maximum wearing time) 60 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

## Eye protection

Wear closely fitting protective glasses in case of splashes.

## **Protective clothing**

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

## Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

## Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Appearance:	1 Second at
Physical state: Colour:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not applicable
pH at20 °C:	n.a.
Melting point/freezing point:	not applicable
Initial boiling point and boiling range:	78 °C
	Source: Ethanol
Flash point:	24 °C
Evaporation rate:	not applicable
Flammability (solid, gas):	
Burning time (s):	not applicable
Upper/lower flammability or explosive limits:	
Lower explosion limit:	1,65 Vol-%
Upper explosion limit:	27,7 Vol-%
	Source: Ethanol
Vapour pressure at20 °C:	6,0771 mbar
Vapour density:	not applicable
Relative density:	

Article No.:

Print date:

Water:

section 7.

10.1. Reactivity

Version:

**FEYCOLOR**<sup>®</sup> FEYCOTECT 214 Universalprimer 214 21.11.2018 Revision date: 24.10.2018 999998 EN 1.4 Issue date: 11.10.2018 Page 6 / 10 Density at20 °C: 1,11 g/cm<sup>3</sup> Solubility(ies): Water solubility (g/L) at20 °C: insoluble Partition coefficient: n-octanol/water: see section 12 300 °C Auto-ignition temperature: Source: 2-butoxyethyl acetate **Decomposition temperature:** not applicable Viscosity at20 °C: > 20 s 6 mmMethod: DIN 53211 **Explosive properties:** not applicable **Oxidising properties:** not applicable 9.2. Other information Solid content (%): 45 Wt % solvent content: Organic solvents: 54.86 Wt % 0,15 Wt % Solvent separation test (%): < 3 Wt % (ADR/RID) **SECTION 10: Stability and reactivity** No information available. 10.2. Chemical stability Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to 10.3. Possibility of hazardous reactions Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions. 10.4. Conditions to avoid Hazardous decomposition byproducts may form with exposure to high temperatures. 10.5. Incompatible materials No information available. 10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## **SECTION 11: Toxicological information**

Classification according to Regulation (EC) No 1272/2008 [CLP] No data on preparation itself available.

## 11.1. Information on toxicological effects

## Acute toxicity, calculated:

oral, LD50, Rat: 8640 mg/kg dermal, LD50, Rabbit: > 4200 mg/kg Harmful in contact with skin.

ATEmix calculated, oral: > 5000 mg/kg ATEmix calculated, dermal: > 5000 mg/kg ATEmix calculated, inhalative (vapours): > 20 mg/l

## Acute toxicity

ethylbenzene oral, LD50, Rat: 3500 mg/kg dermal, LD50, Rabbit: 15500 mg/kg inhalative (vapours), LC50, Rat: 17,2 mg/l (4 h) n-butyl acetate oral, LD50, Rat: 14000 mg/kg inhalative (vapours), LC50, Rat: > 21 mg/l (4 h) **Xylene** 

FEYCOTECT 214 Universalprimer Article No.: 214 999998 EN Print date: 21.11.2018 Revision date: 24.10.2018 Version: 14 Issue date: 11.10.2018 Page 7 / 10 inhalative (vapours), LC50, Rat: 27,6 mg/l (4 h) Harmful if inhaled. 2-butoxyethyl acetate oral, LD50, Rat: skin corrosion/irritation; Serious eye damage/eye irritation **Xvlene** Skin (4 h) Causes skin irritation. eyes Causes serious eye irritation. Respiratory or skin sensitisation Based on available data, the classification criteria are not met. CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Based on available data, the classification criteria are not met. Specific target organ toxicity n-butyl acetate Specific target organ toxicity (single exposure), drowsiness: May cause drowsiness or dizziness. **Xylene** Specific target organ toxicity (single exposure), Irritation: May cause respiratory irritation. Specific target organ toxicity (repeated exposure): Aspiration hazard **Xylene** Aspiration hazard May be fatal if swallowed and enters airways. Practical experience/human evidence Other observations: Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage. **Overall Assessment on CMR properties** The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP. Remark There is no information available on the preparation itself . **SECTION 12: Ecological information** overall evaluation Classification according to Regulation (EC) No 1272/2008 [CLP] There is no information available on the preparation itself . Do not allow to enter into surface water or drains. 12.1. Toxicity ethylbenzene Fish toxicity, LC50, Carassius auratus (goldfish): 94,44 mg/l (96 h) Daphnia toxicity, EC50: 1,8 - 2,9 mg/l (48 h) Algae toxicity, ErC50, Selenastrum capricornutum: 4,6 mg/l (72 h) **Xylene** 

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Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 2,6 mg/l (96 h) Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1 mg/l (48 h)

## Long-term Ecotoxicity

Toxicological data are not available.

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12.2.		e and degradabil ion available.	ity		
12.3.	No informat	Ilative potential ion available. tration factor (BC	;F)		
12.4.	Bioconcen Mobility in	-	<sup>-</sup> ), Oncorhynchus mykiss (F	ainbow trout): 25,9	
12.5.		PBT and vPvB as	sessment		
	The substar	nces in the mixture	e do not meet the PBT/vPvE	criteria according to	REACH, annex XIII.
12.6.	Other adve No informat	rse effects ion available.			
SEC	TION 13: D	isposal conside	erations		
13.1.	Waste treat	tment methods			
Appropriate disposal / Product Recommendation Do not allow to enter into surface water or drains. This material and its conta disposal according to directive 2008/98/EC, covering waste and dangerous wa					
List of proposed waste codes/waste designations in accordance with EWC 080111 Waste paint and varnish containing organic solvents or other dangerous substance					
	packaging Recommen Non-contam		may be recycled. Vessels n	ot properly emptied a	re special waste.
SEC	TION 14: TI	ansport inform	ation		
14.1.	UN number				
			UN 126	3	
14.2.	Land transp Sea transpo	<b>shipping name</b> ort (ADR/RID): ort (IMDG): t (ICAO-TI / IATA-	Paint PAINT DGR): Paint		
14.3.	Transport I	nazard class(es)			
14.4.	Packing gr	oup	3		
14.5.	Environme	ntal hazards			
	Land transp	ort (ADR/RID)	UMWE	LTGEFÄHRDEND	
	Marine pollu	ıtant	p / Trizi	nkbis (orthophosphat)	)
14.6.		cautions for use			
	case of an a	lways in closed, u accident or leakag safe handling: see	e.	Make sure that persor	ns transporting the product know what to do in
	Further info	ormation			
	Land trans	port (ADR/RID)			
	tunnel restri	,	D/E		

tunnel restriction code in packages <= 5 litres

D/E "No good according class 3"

## Sea transport (IMDG)

EmS-No. in packages <= 5 litres

Air transport (ICAO-TI / IATA-DGR)

F-E, S-E Transport in accordance with 2.3.2.5 of the IMDG Code

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## 

not applicable

## **SECTION 15: Regulatory information**

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

## EU legislation

Directive 2010/75/EU on industrial emissions

VOC-value (in g/L): 607

# National regulations

**Restrictions of occupation** 

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

## Other regulations, restrictions and prohibition regulations

## 15.2. Chemical Safety Assessment

For the following substances of this preparation a chemical safety assessment has been carried out:

EC No.	Chemical name	REACH No.
CAS No.		
204-658-1	n-butyl acetate	01-2119485493-29
123-86-4		
215-535-7	Xylene	01-2119488216-32
1330-20-7		
201-148-0	2-methylpropan-1-ol	01-2119484609-23
78-83-1		
231-944-3	trizinc bis(orthophosphate)	01-2119485044-40
7779-90-0		
200-578-6	Ethanol	01-2119457610-43
64-17-5		
203-933-3	2-butoxyethyl acetate	01-2119475112-47
112-07-2		
202-849-4	ethylbenzene	01-2119489370-35
100-41-4		
605-296-0	Fettsäuren, C 18-unges., Dimere, Reaktionsprodukte	mit 01-2119970640-38
162627-17-0	N,N-Dimethyl-1,3-propanediamin und 1,3-Propanediamin	

## **SECTION 16: Other information**

Full text of classification in section 3:					
Flam. Liq. 3 / H226	Flammable liquids	Flammable liquid and vapour.			
STOT SE 3 / H336	Specific target organ toxicity (single exposure)	May cause drowsiness or dizziness.			
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.			
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.			
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.			
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.			
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.			
STOT RE 2 / H373	Specific target organ toxicity (repeated exposure)	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).			
Asp. Tox. 1 / H304	Aspiration hazard	May be fatal if swallowed and enters airways.			
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.			
Aquatic Acute 1 / H400	Hazardous to the aquatic environment	Very toxic to aquatic organisms.			
Aquatic Chronic 1 / H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long lasting effects.			
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.			
Flam. Liq. 2 / H225	Flammable liquids	Highly flammable liquid and vapour.			
Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.			

#### **FEYCOLOR**<sup>®</sup> 214 21.11.2018 Article No .: FEYCOTECT 214 Universalprimer 999998 EN Print date: Revision date: 24.10.2018 Version: 14 Issue date: 11.10.2018 Page 10 / 10 Skin Sens. 1A / H317 Respiratory or skin sensitisation May cause an allergic skin reaction. Abbreviations and acronyms ADR Accord européen relatif au transport international des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road) AGW (WEL) Occupational Exposure Limit Value CAS **Chemicals Abstract Service** CLP Classification, Labelling and Packaging Carcinogenic, Mutagenic and Reprotoxic CMR DNEL Derived No-Effect Level International Air Transport Association - Dangerous Goods Regulations IATA-DGR ICAO-TI International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air IMDG Code International Maritime Code for Dangerous Goods PBT persistent, bioaccumulative, toxic Predicted No Effect Concentration PNEC Registration, Evaluation, Authorisation and Restriction of Chemicals REACH Règlement concernant le transport international ferroviaire de marchandises Dangereuses RID (Regulations concerning the International Carriage of Dangerous Goods by Rail) UN United Nations LC Lethal Concentration Lethal Dose LD VOC Volatile Organic Compounds vPvB very persistent and very bioaccumulative

## **Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.