



according to UK REACH Regulation

ResiFIX PYSF, Comp. A

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

1.1. Product identifier

ResiFIX PYSF, Comp. A

UFI: 7X20-D07R-M002-AUKN

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

Use of the substance/mixture

Adhesive mortar for fastening elements A-component (resin)

Uses advised against

no restriction

1.3. Details of the supplier of the safety data sheet

Company name: CELO Befestigungssysteme GmbH

Street: Industriestr. 6
Place: D-86551 Aichach

Telephone: +49 (0) 8251 90485 0 Telefax: +49 (0) 8251 90485 49

e-mail: info@celofixings.com

1.4. Emergency telephone +49 (0) 89 19240 Giftnotruf München (24 h, German and English)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Sens. 1; H317 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Tetramethylene dimethacrylate;

Methacrylic acid, monoester with propane-1,2-diol;

Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl]

(4-methylphenyl)amino]

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.
P273 Avoid release to the environment.

P280 Wear protective gloves.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P501 Dispose of contents/container to an approved waste disposal plant in accordance with



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local/national regulation.

2.3. Other hazards

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

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name					
	EC No	Index No	REACH No			
	Classification (GB CLP Regulat	ion)				
2082-81-7	Tetramethylene dimethacrylate			5 - < 15 %		
	218-218-1		01-2119967415-30			
	Skin Sens. 1B; H317					
25013-15-4	Vinyltoluene			1 - < 6 %		
	246-562-2		01-2119622074-50			
	Flam. Liq. 3, Skin Irrit. 2, Aquat	ic Acute 1, Aquatic Chron	ic 2; H226 H315 H400 H411			
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol					
	248-666-3		01-2119490226-37			
	Eye Irrit. 2, Skin Sens. 1; H319 H317					
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate					
	229-934-9		01-2119451093-47			
	Repr. 2, Aquatic Chronic 3; H361d H412					
-	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]					
	911-490-9		01-2119979579-10			
	Acute Tox. 4, Skin Irrit. 2, Eye [H412	Dam. 1, Skin Sens. 1, Aqւ	atic Chronic 3; H302 H315 H318 H317			
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol			< 0,5 %		
	254-075-1		01-2119980937-17			
	Acute Tox. 2, Eye Irrit. 2, Aquatic Chronic 3; H300 H319 H412					
130-15-4	1,4-naphthoquinone			< 0,05 %		
	204-977-6		01-2120760462-57			
	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H330 H301 H314 H318 H317 H335 H400 H410					

Full text of H and EUH statements: see section 16.



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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity		
	Specific Cond	c. Limits, M-factors and ATE			
2082-81-7	218-218-1	Tetramethylene dimethacrylate			
	dermal: LD50) = > 3000 mg/kg; oral: LD50 = 10066 mg/kg			
25013-15-4	246-562-2	Vinyltoluene	1 - < 6 %		
	dermal: LD50) = 4585 mg/kg			
27813-02-1	248-666-3	Methacrylic acid, monoester with propane-1,2-diol	< 2,5 %		
	dermal: LD50) = > 5000 mg/kg; oral: LD50 = > 2000 mg/kg			
6846-50-0	229-934-9	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate	< 0,5 %		
	dermal: LD50) = 18900 mg/kg; oral: LD50 = 3200 mg/kg			
-	911-490-9	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]	< 0,5 %		
	dermal: LD50) = > 2000 mg/kg; oral: LD50 = 619 mg/kg			
38668-48-3	254-075-1	1,1'-(p-Tolylimino)dipropan-2-ol	< 0,5 %		
	dermal: LD50) = > 2000 mg/kg; oral: LD50 = > 25 - < 200 mg/kg			
130-15-4	204-977-6	1,4-naphthoquinone	< 0,05 %		
	= 124 mg/kg	TE = 0,5 mg/l (vapours); inhalation: LC50 = 0,046 mg/l (dusts or mists); oral: LD50 Aquatic Acute 1; H400: M=10 nic 1; H410: M=1			

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

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

May cause an allergic skin reaction.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

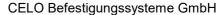
Extinguishing powder

Water spray jet

Carbon dioxide (CO2)

Unsuitable extinguishing media

Full water jet





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5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic

Carbon monoxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. In case of fire and/or explosion do not breathe fumes.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand

Treat the recovered material as prescribed in the section on waste disposal.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only outdoors or in a well-ventilated area.

Wear personal protection equipment (refer to section 8).

Avoid contact with skin, eyes and clothes.

When using do not eat, drink or smoke.

Wash hands thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

Advice on general occupational hygiene

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection programme.

Wash hands thoroughly after handling. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a place accessible by authorized persons only. Keep only in the original container in a cool, well-ventilated place.

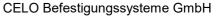
Hints on joint storage

Do not use for products which come into contact with the food stuffs.

Further information on storage conditions

storage temperature: 5 - 25°C

7.3. Specific end use(s)





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Adhesive mortar for fastening elements A-component (resin)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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DNEL/DMEL values

CAS No Substance				
DNEL type		Exposure route	Effect	Value
2082-81-7 Tetramethylene dimet	thacrylate			
Worker DNEL, long-term		inhalation	systemic	14,5 mg/m³
Worker DNEL, long-term		dermal	systemic	4,2 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	4,3 mg/m³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day
25013-15-4 Vinyltoluene				
Worker DNEL, long-term		inhalation	systemic	37 mg/m³
Worker DNEL, acute		inhalation	systemic	37 mg/m³
Worker DNEL, long-term		inhalation	local	37 mg/m³
27813-02-1 Methacrylic acid, mon	oester with propane-1,2-diol			
Worker DNEL, long-term		inhalation	systemic	14,7 mg/m³
Worker DNEL, long-term		dermal	systemic	4,2 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	8,8 mg/m³
Consumer DNEL, long-term		dermal	systemic	2,5 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	2,5 mg/kg bw/day
6846-50-0 1-Isopropyl-2,2-dimet	hyltrimethylene Diisobutyrate			
Worker DNEL, long-term		dermal	systemic	5 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	17,62 mg/m³
Consumer DNEL, long-term		inhalation	systemic	4,35 mg/m³
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	5 mg/kg bw/day
- Reaction mass of 2,2' (4-methylphenyl)amin	-[(4-methylphenyl)imino]biseth o]	anol and Ethanol 2-[[2-(2-hydroxyethoxy)	ethyl]
Worker DNEL, long-term		inhalation	systemic	9,8 mg/m³
Worker DNEL, long-term		dermal	systemic	1,4 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	2,9 mg/m³
Consumer DNEL, long-term		oral	systemic	0,83 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,83 mg/kg bw/day
38668-48-3 1,1'-(p-Tolylimino)dipr	opan-2-ol			
Worker DNEL, long-term		inhalation	systemic	2 mg/m³
Worker DNEL, long-term		dermal	systemic	0,6 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,3 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,3 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,4 mg/m³
130-15-4 1,4-naphthoquinone				
Worker DNEL, long-term		inhalation	systemic	0,033 mg/m³



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PNEC values

Value				
value				
0,043 mg/l				
0,004 mg/l				
3,12 mg/kg				
0,312 mg/kg				
2 mg/l				
0,573 mg/kg				
In a = "				
0,05 mg/l				
0,002 mg/l				
0,684 mg/kg				
0,684 mg/kg				
0,133 mg/kg				
0,904 mg/l				
0,904 mg/l				
6,28 mg/kg				
6,28 mg/kg				
10 mg/l				
0,727 mg/kg				
0,014 mg/l				
0,001 mg/l				
5,29 mg/kg				
0,529 mg/kg				
1,05 mg/kg				
2-hydroxyethoxy)ethyl]				
0,048 mg/l				
0,005 mg/l				
0,12 mg/kg				
0,12 mg/kg				
0,017 mg/l				
0,0017 mg/l				
0,0783 mg/kg				
·				
0.0072 ma/ka				
0,0072 mg/kg 0,005 mg/kg				
0,0072 mg/kg 0,005 mg/kg				



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Freshwater sediment	321 mg/kg
Marine sediment	32,1 mg/kg
Micro-organisms in sewage treatment plants (STP)	0,172 mg/l
Soil	49 mg/kg

Additional advice on limit values

This mixture contains quartz (inorganic filler) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls



Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. Wear safety glasses.

Hand protection

Disposable gloves

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: > 0,2 mm

DIN-/EN-Norms EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid (pasty)
Colour: light beige
Odour: characteristic
Odour threshold: No data available

Melting point/freezing point:

Boiling point or initial boiling point and

No data available

No data available

boiling range:

Flammability:

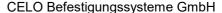
Lower explosion limits:

Upper explosion limits:

not applicable
Flash point:

Auto-ignition temperature:

not applicable
not applicable
not applicable





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Decomposition temperature: No data available

pH-Value: The study does not need to be

conducted because the substance is

known to be insoluble in water.

Viscosity / kinematic: not applicable

The study does not need to be conducted because the substance is known to be

insoluble in water.

Solubility in other solvents

No data available

Water solubility:

Partition coefficient n-octanol/water:

Vapour pressure:

Density (at 20 °C):

Relative vapour density:

Particle characteristics:

not determined

No data available

1,72 g/cm³

not applicable

No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Self-ignition temperature

Solid: not applicable

Oxidizing properties Not oxidising.

Other safety characteristics

Evaporation rate:

Solid content:

No data available

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Response: Oxidising agent, strong

10.4. Conditions to avoid

Heat. Keep cool. Protect from sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 11282,6 mg/kg



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CAS No	Chemical name							
	Exposure route	Dose		Species	Source	Method		
2082-81-7	Tetramethylene dimethacrylate							
	oral	LD50 mg/kg	10066	Rat				
	dermal	LD50 mg/kg	> 3000	Rabbit				
25013-15-4	Vinyltoluene							
	dermal	LD50 mg/kg	4585	Rabbit				
27813-02-1	Methacrylic acid, mon	oester with p	ropane-1,	2-diol				
	oral	LD50 mg/kg	> 2000	Rat				
	dermal	LD50 mg/kg	> 5000	Rabbit				
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate							
	oral	LD50 mg/kg	3200	Rat				
	dermal	LD50 mg/kg	18900	Guinea pig				
	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl] (4-methylphenyl)amino]							
	oral	LD50 mg/kg	619	Rat				
	dermal	LD50 mg/kg	> 2000	Rat				
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol							
	oral	LD50 200 mg/kg	> 25 - <	Rat				
	dermal	LD50 mg/kg	> 2000	Rat				
130-15-4	1,4-naphthoquinone							
	oral	LD50 mg/kg	124	Rat				
	inhalation vapour	ATE	0,5 mg/l					
	inhalation (4 h) dust/mist	LC50 mg/l	0,046	Rat				

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

May cause an allergic skin reaction. (Tetramethylene dimethacrylate; Methacrylic acid, monoester with propane-1,2-diol; Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]; 1,4-naphthoquinone)

Carcinogenic/mutagenic/toxic effects for reproduction

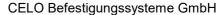
Based on available data, the classification criteria are not met.

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.





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Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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CAS No	Chemical name						
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
2082-81-7	Tetramethylene dimetha	acrylate					
	Acute algae toxicity	ErC50 mg/l	9,79		Desmodesmus subspicatus		
	Crustacea toxicity	NOEC mg/l	5,09		Daphnia magna (Big water flea)		
25013-15-4	Vinyltoluene						
	Acute fish toxicity	LC50 mg/l	1 - 10	96 h			
	Acute algae toxicity	ErC50 mg/l	0,319	72 h			
	Acute crustacea toxicity	EC50	9,3 mg/l		Daphnia magna (Big water flea)		
27813-02-1	Methacrylic acid, monoe	ester with p	ropane-1,2	2-diol			
	Acute algae toxicity	ErC50 mg/l	> 97,2		Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 mg/l	> 143		Daphnia magna (Big water flea)		
6846-50-0	1-Isopropyl-2,2-dimethy	Itrimethyler	ne Diisobut	tyrate			
	Algae toxicity	NOEC mg/l	2,25	3 d			
	Reaction mass of 2,2'-[((4-methylphenyl)amino]	4-methylph	enyl)imino]bisetha	anol and Ethanol 2-[[2-(2-hydroxyethoxy)e	ethyl]
	Acute fish toxicity	LC50 mg/l	> 100	96 h			
	Acute algae toxicity	ErC50 mg/l	> 100	72 h			
	Acute crustacea toxicity		48 mg/l	48 h			
38668-48-3	1,1'-(p-Tolylimino)diprop	T		T			_
	Acute fish toxicity	LC50	17 mg/l		Danio rerio (zebrafish)		
	Acute algae toxicity	ErC50	245 mg/l		Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 mg/l	28,8		Daphnia magna (Big water flea)		
	Algae toxicity	NOEC mg/l	57,8		Desmodesmus subspicatus		OECD 201
130-15-4	1,4-naphthoquinone						
	Acute fish toxicity	LC50 mg/l	0,045	96 h	Oryzias latipes (Ricefish)		
	Acute algae toxicity	ErC50 mg/l	0,42	72 h			
	Acute crustacea toxicity	EC50 mg/l	0,026	48 h			
	Algae toxicity	NOEC mg/l	0,07	3 d			

12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
2082-81-7	Tetramethylene dimethacrylate				
	OECD 310	84 %	28		
25013-15-4	Vinyltoluene				
	OECD 310	36,7 %	28		
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol				
	OECD 301C	81%	28		
130-15-4	1,4-naphthoquinone				
		39 %	5		

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2082-81-7	Tetramethylene dimethacrylate	3,1
25013-15-4	Vinyltoluene	3,35
27813-02-1	Methacrylic acid, monoester with propane-1,2-diol	0,97
6846-50-0	1-Isopropyl-2,2-dimethyltrimethylene Diisobutyrate	4,91
-	Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]	2,17
38668-48-3	1,1'-(p-Tolylimino)dipropan-2-ol	2,1
130-15-4	1,4-naphthoquinone	1,77

BCF

CAS No	Chemical name	BCF	Species	Source
25013-15-4	Vinyltoluene	100 - 320		

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

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

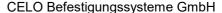
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations. Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

List of Wastes Code - residues/unused products





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WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF 080409

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products);

waste adhesives and sealants containing organic solvents or other hazardous substances;

hazardous waste

List of Wastes Code - used product

WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products);

waste adhesives and sealants containing organic solvents or other hazardous substances;

hazardous waste

List of Wastes Code - contaminated packaging

WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND 150110

> PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by

hazardous substances; hazardous waste

SECTION 14: Transport information

Land transport (ADR/RID)

No dangerous good in sense of this transport regulation. 14.1. UN number or ID number:

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. 14.4. Packing group:

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation. 14.4. Packing group:

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation. 14.2. UN proper shipping name:

14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation. 14.4. Packing group:

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.

No dangerous good in sense of this transport regulation. 14.3. Transport hazard class(es):

No dangerous good in sense of this transport regulation.

14.4. Packing group: 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

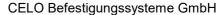
SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75





according to UK REACH Regulation

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Information according to 2012/18/EU

Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

Additional information

VOC content: 2,8 % (DIN EN ISO 11890-2)

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

2 - obviously hazardous to water Water hazard class (D):

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

ADN: Accord européen relativ au transport international des marchandises Dangereuses par voie de Navigation

(European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging

DMEL: Derived Minimal Effect level **DNEL: Derived No Effect Level** EC50: Effective concentration, 50%

ErC50: EC50 in terms of reduction of growth rate IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

NOEC: No Observed Effect Concentration

OECD: Oragnisation for Economic Co-operation and Development

PBT: persistent, bioaccumulative and toxic vPvB: very persistent and very bioaccumulative

PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regulations

Concerning the International Carriage of Dangerous Goods by Rail)

VOC: Volatile organic compound

Acute Tox. 3: Acute toxicity, Category 3 Acute Tox. 2: Acute toxicity, Category 2 Acute Tox. 4: Acute toxicity, Category 4

Aguatic Acute 1: Acute aguatic hazard, Category 1 Aquatic Chronic 1: Long-term aquatic hazard, Category 1

Aquatic Chronic 3: Long-term aquatic hazard, Category 3

Asp. Tox. 1: Aspiration hazard, Category 1

Eye Dam. 1: Serious eye damage/eye irritation, Category 1 Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Flam. Liq. 3: Flammable liquid, Category 3 Repr. 2: Reproductive toxicity, Category 2

Skin Corr. 1C: Skin corrosion/irritation, Category 1C



according to UK REACH Regulation

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Skin Irrit. 2: Serious eye damage/eye irritation, Category 2

Skin Sens. 1A: Skin sensitilization, Category 1A Skin Sens. 1B: Skin sensitilization, Category 1B

STOT SE 3: Specific target organ toxicity (single exposure), Category 3

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure				
Skin Sens. 1; H317	Calculation method				
Aquatic Chronic 3; H412	Calculation method				

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H361d	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)





according to UK REACH Regulation

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

1.1. Product identifier

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UFI: MR10-90K6-A005-22ER

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

Use of the substance/mixture

compound mortar B-component (hardener)

Uses advised against

no restriction

1.3. Details of the supplier of the safety data sheet

Company name: CELO Befestigungssysteme GmbH

Street: Industriestr. 6
Place: D-86551 Aichach

Telephone: +49 (0) 8251 90485 0 Telefax: +49 (0) 8251 90485 49

e-mail: info@celofixings.com

1.4. Emergency telephone +49 (0) 89 19240 Giftnotruf München (24 h, German and English)

number:

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Dibenzoyl peroxide

Signal word: Warning

Pictograms:



Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves and eye/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.



according to UK REACH Regulation

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P501

Dispose of contents/container to an approved waste disposal plant in accordance with local/national regulation.

2.3. Other hazards

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

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Chemical name			
	EC No	EC No Index No REACH No			
	Classification (GB CLP Regulation)				
94-36-0	Dibenzoyl peroxide			5 - < 15 %	
	202-327-6	202-327-6 617-008-00-0 01-2119511472-50			
	Org. Perox. B, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H241 H319 H317 H400 H410				

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
94-36-0	202-327-6	Dibenzoyl peroxide	5 - < 15 %
		> 5000 mg/kg Aquatic Acute 1; H400: M=10 ic 1; H410: M=10	

Further Information

The product has been tested for aquatic toxicity. The tests show no need for classification of the product as toxic and harmful to aquatic life. Test reports are available.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

After contact with eyes

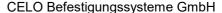
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Medical treatment necessary.

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

May cause an allergic skin reaction.





according to UK REACH Regulation

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Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Extinguishing powder

Water spray iet

Carbon dioxide (CO2)

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic

Carbon monoxide

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Use personal protective equipment as required. Provide adequate ventilation. Avoid contact with skin, eyes and clothes.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For cleaning up

Collect spillage. Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Sand

Treat the recovered material as prescribed in the section on waste disposal.

Retain contaminated washing water and dispose it.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only outdoors or in a well-ventilated area.

Wear personal protection equipment (refer to section 8).

Avoid contact with skin, eyes and clothes.

When using do not eat, drink or smoke.

Wash hands thoroughly after handling.

Take off contaminated clothing and wash it before reuse.



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Advice on general occupational hygiene

Take off contaminated clothing and wash it before reuse. Draw up and observe skin protection programme. Wash hands thoroughly after handling. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Store in a place accessible by authorized persons only.

Keep only in the original container in a cool, well-ventilated place.

Hints on joint storage

Do not store together with: Oxidising agent, strong

Do not use for products which come into contact with the food stuffs.

Further information on storage conditions

Keep container tightly closed in a cool place.

storage temperature: 5 - 25°C

7.3. Specific end use(s)

see section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8 h)	WEL
56-81-5	Glycerol, mist	-	10		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
94-36-0	Dibenzoyl peroxide			
Consumer DNEL, long-term		oral	systemic	2 mg/kg bw/day
Worker DNEL	., long-term	dermal		13,3 mg/kg bw/day
Worker DNEL	., long-term	inhalation	systemic	39 mg/m³

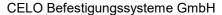
PNEC values

CAS No	Substance			
Environmental compartment Value		Value		
94-36-0	Dibenzoyl peroxide			
Freshwater		0,00002 mg/l		
Marine water 0,00		0,000002 mg/l		
Freshwater sediment 0,0		0,013 mg/kg		
Marine sediment 0,001 mg/kg		0,001 mg/kg		

Additional advice on limit values

This mixture contains quartz (inorganic filler) which is firmly bound in the pasty component, and thus not freely available during use, so that a risk of dust inhalation is excluded. Exposure limit values for respirable dusts are not relevant for this product.

8.2. Exposure controls





according to UK REACH Regulation

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Appropriate engineering controls

Provide adequate ventilation. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. Wear safety glasses.

Hand protection

Disposable gloves

Recommended material: NBR (Nitrile rubber)

Breakthrough time: > 480 min

Thickness of the glove material: > 0,2 mm

DIN-/EN-Norms EN 374

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection with combination filter A1P2 (organic gases/vapors and particles) recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: solid (pasty)
Colour: black

Odour: characteristic

Odour threshold:

Melting point/freezing point:

No data available

No data available

No data available

No data available

boiling range:

Flammability:

Lower explosion limits:

Upper explosion limits:

Flash point:

Auto-ignition temperature:

Decomposition temperature:

Determine the problem of the problem

conducted because the substance is known to be insoluble in water.

Viscosity / kinematic: not applicable

Water solubility: The study does not need to be conducted

because the substance is known to be insoluble in water.

Solubility in other solvents No data available





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Partition coefficient n-octanol/water:

Vapour pressure:

Density (at 20 °C):

Relative vapour density:

Particle characteristics:

not applicable

1,59 g/cm³

not applicable

No data available

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

Self-ignition temperature

Solid: not applicable

Oxidizing properties Not oxidising.

Available oxygen content: < 0,74%

Other safety characteristics

Evaporation rate:

Solid content:

No data available

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

see section 10.3

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Violent reaction with: Oxidising agent

10.4. Conditions to avoid

see section 7.2

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

Benzoic acid Benzene Biphenyl

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Chemical name						
	Exposure route	Dose		Species	Source	Method		
94-36-0	Dibenzoyl peroxide							
	oral	LD50 >	> 5000	Rat				

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.



according to UK REACH Regulation

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Sensitising effects

May cause an allergic skin reaction. (Dibenzoyl peroxide)

Carcinogenic/mutagenic/toxic effects for reproduction

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

May cause damage to organs through prolonged or repeated exposure. (Quartz (respirable))

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

SECTION 12: Ecological information

12.1. Toxicity

The product is not: Ecotoxic.

OECD 201 (Desmodesmus subspicatus)

IC10: (0 - 72 h) = 30 mg/lIC50: (0 - 72 h) = 150 mg/l

OECD 202 (Daphnia magna) EC0/NOEC (48h) = 100 mg/l EC50 (48h) = >500 mg/l EC100 (48h) = >>500 mg/l

OECD 203 (Danio rerio) LC0/NOEC (96 h) : 250 mg/l LC50 (96 h) : > 500 mg/l LC100 (96 h) : >> 500 mg/l

CAS No	Chemical name								
	Aquatic toxicity Dose [h] [d] Species Source Method					Method			
94-36-0	Dibenzoyl peroxide								
	Acute fish toxicity	LC50 mg/l	0,0602		Oncorhynchus mykiss (Rainbow trout)	OECD 203			
	Acute algae toxicity	ErC50 mg/l	0,0711		Pseudokirchneriella subcapitata	OECD 201			
	Acute crustacea toxicity	EC50 mg/l	0,11		Daphnia magna (Big water flea)	OECD 202			
	Algae toxicity	NOEC mg/l	0,02	_	Pseudokirchneriella subcapitata	OECD 201			
	Crustacea toxicity	NOEC mg/l	0,001		Daphnia magna (Big water flea)	OECD 211			
	Acute bacteria toxicity	(EC50	35 mg/l)	0,5 h		OECD 209			

12.2. Persistence and degradability

The product has not been tested.



according to UK REACH Regulation

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
94-36-0	Dibenzoyl peroxide			
	OECD 301D	71%	28	
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
94-36-0	Dibenzoyl peroxide	3,2

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

The product has not been tested.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Subsequent waste code numbers of the European Waste Catalogue are considered as recommendations. Dispose of waste according to applicable legislation. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

List of Wastes Code - residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

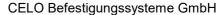
080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF

COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste





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SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:
 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):
 14.4. Packing group:
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number:
 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):
 14.4. Packing group:
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number:
 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):
 14.4. Packing group:
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:
 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):
 14.4. Packing group:
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III) (SEVESO III):

Additional information

VOC content: 4,3 % (DIN EN ISO 11890-2)

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile

work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.



according to UK REACH Regulation

ResiFIX PYSF, Comp. B

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SECTION 16: Other information

Abbreviations and acronyms

ADN: Accord européen relativ au transport international des marchandises Dangereuses par voie de Navigation

(European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways) ADR: Accord européen sur le transport des marchandises dangereuses par route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service

CLP: Classification, Labeling and Packaging

DMEL: Derived Minimal Effect level DNEL: Derived No Effect Level EC50: Effective concentration, 50%

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations (DRG) for the air transport (IATA)

ICAO: International Civil Aviation Organization

IC50: Inhibitory concentration, 50%

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

NOEC: No Observed Effect Concentration

OECD: Oragnisation for Economic Co-operation and Development

PBT: persistent, bioaccumulative and toxic vPvB: very persistent and very bioaccumulative PNEC: Predicted No Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses (Regulations

Concerning the International Carriage of Dangerous Goods by Rail)

VOC: Volatile organic compound

Aquatic Acute 1: Acute aquatic hazard, Category 1 Aquatic Chronic 1: Long-term aquatic hazard, Category 1 Eye Irrit. 2: Serious eye damage/eye irritation, Category 2

Skin Sens. 1: Skin sensitilization, Category 1 Org. Perox. B: Organic Peroxides, Type B

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prole

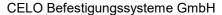
May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be





according to UK REACH Regulation

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transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)