

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 22/02/2022 Revision date: 19/04/2022 Supersedes version of: 28/03/2022 Version: 1.1

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

1.1. Product identifier

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

1.2.1. Relevant identified uses

Main use category	
Use of the substance/mixture	
Function or use category	

- : Industrial use, Professional use
- : A Chemical anchoring application
- : Building and construction work

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Chemfix Products Limited A Briolf Group Company Ctra. N-II, km 706,5 17457 RIUDELLOTS DE LA SELVA (Girona) SPAIN T +44 (0)1924 453886/+34 872 729 763 - F +44 (0)1924 458995 sds@chemfix.co.uk - www.chemfix.co.uk

1.4. Emergency telephone number

Emergency number

: Emergency Number Association (EENA) : 112 / UK Manufacturer +44 (0)1924 431679

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification 2.1. Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Serious eye damage/eye irritation, Category 2 H319 Skin sensitisation, Category 1 H317 Full text of H- and EUH-statements: see section 16 Adverse physicochemical, human health and environmental effects May cause an allergic skin reaction. Causes serious eye irritation. Image: Classification (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) :

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Signal word (CLP) Contains	 Warning 2,2'-ETHYLENEDIOXYDIETHYL 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]-
Hazard statements (CLP)	 H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.
Precautionary statements (CLP)	 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective clothing, eye protection, 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.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component			
REACTION MASS OF 2,2'-[(4-	The mixture does not contain substance(s) included in the list established in accordance	Ĺ	
METHYLPHENYL)IMINO]BISETHANOL AND	with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified		
ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4-	as having endocrine disrupting properties in accordance with the criteria set out in		
METHYLPHENYL)AMINO]-	Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU)		
	2018/605 at a concentration equal to or greater than 0,1 %		

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
VINYL TOLUENE.	CAS-No.: 25013-15-4 EC-No.: 246-562-2 REACH-no: 01-2119622074- 50	<10	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRYLATE	CAS-No.: 109-16-0 EC-No.: 203-652-6 REACH-no: 01-2119969287- 21	3 – 10	Skin Sens. 1, H317
METHACRYLIC ACID, MONOESTER WITH PROPANE-1,2-DIOL	CAS-No.: 27813-02-1 EC-No.: 248-666-3 REACH-no: 01-2119490226- 37	3 – 10	Eye Irrit. 2, H319 Skin Sens. 1, H317
1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL	CAS-No.: 38668-48-3 EC-No.: 254-075-1 REACH-no: 01-2119980937- 17	< 1	Acute Tox. 2 (Oral), H300 Eye Irrit. 2, H319 Aquatic Chronic 3, H412

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
REACTION MASS OF 2,2'-[(4- METHYLPHENYL)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2-HYDROXYETHOXY)ETHYL](4- METHYLPHENYL)AMINO]-	-	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412
P-BENZOQUINONE	CAS-No.: 106-51-4 EC-No.: 203-405-2 EC Index-No.: 606-013-00-3 REACH-no: 01-2119933861- 35	< 1	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 (M=10)

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	;
First-aid measures after inhalation First-aid measures after skin contact First-aid measures after eye contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy
First-aid measures after ingestion	to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. : Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and e	nects, both acute and delayed
Symptoms/effects after skin contact Symptoms/effects after eye contact	May cause an allergic skin reaction.Eye irritation.
4.2 Indication of any immediate mod	ical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures				
5.1. Extinguishing media				
Suitable extinguishing media	: Water spray. Dry powder. Foam.			
5.2. Special hazards arising from the substance or mixture				
Hazardous decomposition products in case of fire	: Toxic fumes may be released.			
5.3. Advice for firefighters				
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.			

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel

6.1.1. For non-emergency personne

Emergency procedures

: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.

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6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containment	nt and cleaning up
Methods for cleaning up	: Mechanically recover the product.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid
Hygiene measures	 breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment. Contaminated work clothing should not be allowed out of the workplace. Wash
	contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. C	Conditions fo	or safe storage	including any incompatibilities	

Storage conditions

: Store in a well-ventilated place. Keep cool.

Always wash hands after handling the product.

7.3. Specific end use(s)

Building and construction work.

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

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

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8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	Nitrile rubber (NBR), Butyl rubber, Viton® II	6 (> 480 minutes)	0.4	As the product is a preperation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. EN141

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemic	al properties
9.1. Information on basic phy	sical and chemical properties
Physical state	: Solid
Colour	: Beige.
Appearance	: Paste.
Odour	: Characteristic odour.
Odour threshold	: Not available
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not available
Flammability	: Non flammable.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable

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Flash point Auto-ignition temperature Decomposition temperature pH pH solution Viscosity, kinematic Viscosity, dynamic Solubility Partition coefficient n-octanol/water (Log Kow) Vapour pressure Vapour pressure at 50 °C Density Relative density Relative density Relative vapour density at 20 °C Particle size Particle size distribution Particle shape	 Not applicable Not applicable Not available Not available Not available Not available Not applicable > 100000 cP Brookfield HB DV1 viscometer Material insoluble in water. Not available Not available Not available Not available Not available 1.68 – 1.69 0.6 hPa Not available
Particle size distribution	: Not available
Particle aspect ratio	: Not available
Particle aggregation state Particle agglomeration state	: Not available : Not available
Particle specific surface area Particle dustiness	: Not available : Not available

9.2. Other information

9.2.1. Information with regard to physical	hazard classes
No additional information available	
9.2.2. Other safety characteristics	
VOC content Additional information	 180 g/l Solid suspension - classified as non-flammable according to results from Test N.1 test method for readily combustible solids.

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral)

: Not classified

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Acute toxicity (dermal) : Acute toxicity (inhalation) :	Not classified Not classified
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACR	/LATE (109-16-0)
LD50 oral rat	10837 mg/kg Source: NLM,THOMSON
METHACRYLIC ACID, MONOESTER WITH PR	ROPANE-1,2-DIOL (27813-02-1)
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50 dermal rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male
1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL (38668-	-48-3)
LD50 oral rat	25 mg/kg bw/day
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:, Guideline: other:
P-BENZOQUINONE (106-51-4)	
LD50 oral rat	197 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
VINYL TOLUENE. (25013-15-4)	
LD50 oral rat	3680 mg/kg
LD50 dermal	4490 mg/kg
REACTION MASS OF 2,2'-[(4-METHYLPHENY HYDROXYETHOXY)ETHYL](4-METHYLPHENY	'L)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2- YL)AMINO]-
LD50 oral rat	619 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)), Remarks on results: other:, 95% CL: 305 - 1256
LD50 dermal rat	 > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal)), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Guideline: other:
Skin corrosion/irritation :	Not classified
Serious eye damage/irritation :	Causes serious eye irritation.
Respiratory or skin sensitisation :	May cause an allergic skin reaction.
Germ cell mutagenicity : Carcinogenicity :	Not classified Not classified
P-BENZOQUINONE (106-51-4)	
IARC group	3 - Not classifiable
VINYL TOLUENE. (25013-15-4)	
IARC group	3 - Not classifiable
Reproductive toxicity :	Not classified
1 ,	Not classified
P-BENZOQUINONE (106-51-4)	
STOT-single exposure	May cause respiratory irritation.

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2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRY	′LATE (109-16-0)	
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90 Day Study), Remarks on results: other:	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study), Remarks on results: other:	
METHACRYLIC ACID, MONOESTER WITH PR	OPANE-1,2-DIOL (27813-02-1)	
LOAEC (inhalation, rat, gas, 90 days)	350 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study), Remarks on results: other:	
NOAEL (oral, rat, 90 days)	300 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)	
NOAEC (inhalation, rat, gas, 90 days)	100 ppm Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90- Day Study), Remarks on results: other:	
VINYL TOLUENE. (25013-15-4)		
NOAEC (inhalation, rat, gas, 90 days)	60 ppm Animal: rat, Remarks on results: other:	
Aspiration hazard :	Not classified	
CH+ MAX COMP A		
Viscosity, kinematic	Not applicable	
11.2. Information on other hazards		

No additional information available

SECTION 12: Ecological information	
12.1. Toxicity	
	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term : (acute)	Not classified
	Not classified
2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRY	LATE (109-16-0)
LC50 - Fish [1]	16.4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
METHACRYLIC ACID, MONOESTER WITH PR	OPANE-1,2-DIOL (27813-02-1)
LC50 - Fish [1]	233.174 mg/l Source: ECOSAR
EC50 - Crustacea [1]	> 143 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	> 130 mg/l
EC50 72h - Algae [1]	> 97.2 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	45.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic crustacea	45.2 mg/l

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1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL (38668-4	48-3)
LC50 - Fish [1]	17 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 - Crustacea [1]	28.8 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	245 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
P-BENZOQUINONE (106-51-4)	
LC50 - Fish [1]	0.045 mg/l Source: Toxic Substances Information Summary
VINYL TOLUENE. (25013-15-4)	
LC50 - Fish [1]	5.2 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1.3 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	4.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
ErC50 algae	2.6 mg/l Source: ECHA
NOEC chronic fish	2.6 mg/l
REACTION MASS OF 2,2'-[(4-METHYLPHENY HYDROXYETHOXY)ETHYL](4-METHYLPHENY	L)IMINO]BISETHANOL AND ETHANOL 2-[[2-(2- /L)AMINO]-
LC50 - Fish [1]	100 mg/l
EC50 - Crustacea [1]	48 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	100 mg/l
EC50 72h - Algae [1]	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

2,2'-ETHYLENEDIOXYDIETHYL DIMETHACRY	LATE (109-16-0)		
Partition coefficient n-octanol/water (Log Pow)	1.88 Source: ChemIDplus		
METHACRYLIC ACID, MONOESTER WITH PR	OPANE-1,2-DIOL (27813-02-1)		
Partition coefficient n-octanol/water (Log Pow)	0.48		
1,1'-(P-TOLYLIMINO)DIPROPAN-2-OL (38668-48-3)			
Partition coefficient n-octanol/water (Log Pow)	2.1 Source: ECHA		
P-BENZOQUINONE (106-51-4)			
Partition coefficient n-octanol/water (Log Pow)	0.2 Source: HSDB		
VINYL TOLUENE. (25013-15-4)			
Partition coefficient n-octanol/water (Log Pow)	3.35 Source: ECHA		
12.4 Mobility in soil			

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Endocrine disrupting properties		
No additional information available		
12.7. Other adverse effects		
No additional information available		
SECTION 13: Disposal considerations		

13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number or ID n	number	· · ·	,	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shippin	g name	· · · ·	,	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.3. Transport hazard o	class(es)	· · · · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.4. Packing group		· · ·		
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.5. Environmental haz	zards	· · · ·	,	
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea Not regulated

Air transport Not regulated

Inland waterway transport

Not regulated

Rail transport Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content

: 180 g/l

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
BLV	Biological limit value	
BOD	Biochemical oxygen demand (BOD)	
COD	Chemical oxygen demand (COD)	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC-No.	European Community number	
EC50	Median effective concentration	
EN	European Standard	
IARC	International Agency for Research on Cancer	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	

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Abbreviations and acronyms:		
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
OEL	Occupational Exposure Limit	
РВТ	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
STP	Sewage treatment plant	
ThOD	Theoretical oxygen demand (ThOD)	
TLM	Median Tolerance Limit	
VOC	Volatile Organic Compounds	
CAS-No.	Chemical Abstract Service number	
N.O.S.	Not Otherwise Specified	
vPvB	Very Persistent and Very Bioaccumulative	
ED	Endocrine disrupting properties	

Full text of H- and EUH-statements:		
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic 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 liquids, Category 3	
H226	Flammable liquid and vapour.	
H300	Fatal if swallowed.	
H301	Toxic if swallowed.	
H302	Harmful if swallowed.	
H304	May be fatal if swallowed and enters airways.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H331	Toxic if inhaled.	
H332	Harmful if inhaled.	

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Full text of H- and EUH-statements:		
H335	May cause respiratory irritation.	
H400	Very toxic to aquatic life.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 23/03/2012 Revision date: 16/03/2022 Supersedes version of: 23/08/2021 Version: 9.1

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. Product identifier Product form : Mixture : CATALYST COMP.B Name UFI : K806-D15C-K00W-VC8M Product code 13363 : Type of product A Chemical anchoring application : Product group : Trade product 1.2. Relevant identified uses of the substance or mixture and uses advised against 1.2.1. Relevant identified uses Main use category : Industrial use, Professional use Use of the substance/mixture : A Chemical anchoring application Catalyst : Building and construction work Function or use category 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet **Chemfix Products Limited**

A Briolf Group Company Ctra. N-II, km 706,5 17457 RIUDELLOTS DE LA SELVA (Girona) SPAIN T +44 (0)1924 453886/+34 872 729 763 - F +44 (0)1924 458995 sds@chemfix.co.uk - www.chemfix.co.uk

1.4. Emergency telephone number

Emergency number

: Emergency Number Association (EENA) : 112 / UK Manufacturer +44 (0)1924 431679

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification	
2.1. Classification of the substance or mixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412
Full text of H- and EUH-statements: see section 16	

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

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2.2. Label elements

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

Hazard pictograms (CLP)	
	GHS07
Signal word (CLP)	: Warning
Contains	: DIBENZOYL PEROXIDE.
Hazard statements (CLP)	: H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H412 - Harmful to aquatic life with long lasting effects.
Precautionary statements (CLP)	: P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
	P264 - Wash hands, forearms and face thoroughly after handling.
	P272 - Contaminated work clothing should not be allowed out of the workplace.
	P273 - Avoid release to the environment.
	P280 - Wear protective clothing, eye protection, face protection.
	P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DIBENZOYL PEROXIDE.	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0 REACH-no: 01-2119511472- 50	10 – 20	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
ETHYLENE GLYCOL. substance with a Community workplace exposure limit	CAS-No.: 107-21-1 EC-No.: 203-473-3 EC Index-No.: 603-027-00-1 REACH-no: 01-2119456816- 28	3 – 10	Acute Tox. 4 (Oral), H302 STOT RE 2, H373

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

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation First-aid measures after skin contact	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

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First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and ef	ects, both acute and delayed
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: 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	: Water spray. Dry powder. Foam.		
5.2. Special hazards arising from the substance or mixture			
Hazardous decomposition products in case of fire	: Toxic fumes may be released.		
5.3. Advice for firefighters			
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.		

SECTION 6: Accidental release measure	es
6.1. Personal precautions, protectiv	ve equipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for conta	inment and cleaning up
Methods for cleaning up Other information	Mechanically recover the product.Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Wear personal protective equipment.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Store in a well-ventilated place. Keep cool.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

DIBENZOYL PEROXIDE. (94-36-0)		
United Kingdom - Occupational Exposure Limits		
Local name	Dibenzoyl peroxide	
WEL TWA (OEL TWA) [1]	5 mg/m³	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
ETHYLENE GLYCOL. (107-21-1)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Ethylene glycol	
IOEL TWA [ppm]	20 ppm	
IOEL STEL	104 mg/m ³	
IOEL STEL [ppm]	40 ppm	
Remark	Skin	
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC	
United Kingdom - Occupational Exposure Limits		
Local name	Ethane-1,2-diol	
WEL TWA (OEL TWA) [1]	10 mg/m ³ particulate 52 mg/m ³ vapour	
WEL TWA (OEL TWA) [2]	20 ppm vapour	
WEL STEL (OEL STEL)	104 mg/m³ vapour	
WEL STEL (OEL STEL) [ppm]	40 ppm vapour	
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Chemical resistant gloves (according to European standard EN 374 or equivalent)

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	Nitrile rubber (NBR), Butyl rubber, Viton® II	6 (> 480 minutes)	0.4	As the product is a preperation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.	EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection:

Wear suitable respiratory equipment in case of insufficient ventilation. EN141

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on basic ph	ysical and chemical properties	
Physical state	: Solid	
Colour	: Beige. Black. white. Grey.	
Appearance	: Paste.	
Odour	: Barely perceptible odour.	
Odour threshold	: Not available	
Melting point	: 0 °C	

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Freezing point	: Not available
Boiling point	: Not available
Flammability	: Not available
Oxidising properties	: Not oxidising.
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: Not available
SADT	: ≈ 50 °C
рН	: Not available
pH solution	: Not available
Viscosity, kinematic	: Not applicable
Solubility	: Material insoluble in water
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: Not available
Relative density	: 1.45 g/cm3
Relative vapour density at 20 °C	: Not applicable
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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SECTION 11: Toxicological information	
11.1. Information on hazard classes as	defined in Regulation (EC) No 1272/2008
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal) Acute toxicity (inhalation)	: Not classified : Not classified
DIBENZOYL PEROXIDE. (94-36-0)	
LD50 oral rat	> 2000 mg/kg
ETHYLENE GLYCOL. (107-21-1)	
LD50 oral rat	7712 mg/kg bodyweight Animal: rat
LD50 dermal	3500 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
DIBENZOYL PEROXIDE. (94-36-0)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
ETHYLENE GLYCOL. (107-21-1)	
NOAEL (oral, rat, 90 days)	150 mg/kg bodyweight/day
Aspiration hazard	: Not classified
44.0 Information on other borneds	

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity	
(acute)	Harmful to aquatic life with long lasting effects. Not classified Harmful to aquatic life with long lasting effects.
CATALYST COMP.B	
LC50 - Fish [1]	> 100 mg/l OECD TG 203
EC50 - Other aquatic organisms [1]	> 10 mg/l OECD TG 202
EC50 72h - Algae [1]	> 60 mg/l OECD TG 201
DIBENZOYL PEROXIDE. (94-36-0)	
LC50 - Fish [1]	0.0602 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
EC50 - Crustacea [1]	0.11 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	0.11 mg/l

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DIBENZOYL PEROXIDE. (94-36-0)	
ErC50 algae	0.071 mg/l Source: ECHA
ETHYLENE GLYCOL. (107-21-1)	
LC50 - Fish [1]	> 72860 mg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	> 100 mg/l Test organisms (species): Daphnia magna
EC50 - Other aquatic organisms [1]	100 mg/l
EC50 96h - Algae [1]	6500 – 13000 mg/l Source: ECHA
NOEC (chronic)	≥ 1000 mg/l Test organisms (species): Americamysis bahia (previous name: Mysidopsis bahia) Duration: '23 d'
NOEC chronic fish	15380 mg/l
NOEC chronic crustacea	8590 mg/l
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
DIBENZOYL PEROXIDE. (94-36-0)	
Partition coefficient n-octanol/water (Log Pow)	3.46 Source: HSDB
ETHYLENE GLYCOL. (107-21-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.36
12.4. Mobility in soil	
ETHYLENE GLYCOL. (107-21-1)	
Mobility in soil	0.2 Source: HSDB
12.5. Results of PBT and vPvB assessment	
No additional information available	
12.6. Endocrine disrupting properties	
No additional information available	
12.7. Other adverse effects	
No additional information available	
SECTION 13: Disposal considerations	
13.1. Waste treatment methods	

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport in	nformation
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In accordance with ADR / IMD	DG / IATA / ADN / RID			
ADR IMDG IATA ADN RID		RID		
14.1. UN number or ID n	umber			
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated

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ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.2. UN proper shippin	14.2. UN proper shipping name				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard o	class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.4. Packing group	-				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental haz	ards				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary informatio	n available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

15.1.2. National regulations

No additional information available

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15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other inform	nation
Abbreviations and acr	onyms:
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
ΙΑΤΑ	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
РВТ	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

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Very toxic to aquatic life.

Organic Peroxides, Type B

Skin sensitisation, Category 1

Abbreviations and acronyms:	
ED	Endocrine disrupting properties
Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H241	Heating may cause a fire or explosion.
H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

The classification complies with

H373

H400

H410

H412

Org. Perox. B

Skin Sens. 1

STOT RE 2

: ATP 12

Specific target organ toxicity - Repeated exposure, Category 2

Very toxic to aquatic life with long lasting effects.

Harmful to aquatic life with long lasting effects.

May cause damage to organs through prolonged or repeated exposure.

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.