

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue: 14-11-2006 Revision date: 31-5-2017 Supersedes: 16-12-2014 Version: 5.0

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

Product identifier

Product form : Mixture

: DRY FLEX® 16 - Component B Product name

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

1.2.1. Relevant identified uses

: Industrial use, Professional use Main use category Use of the substance/mixture : Elastic repair compound

Product only to be used in combination with component A.

1.2.2. Uses advised against

No additional information available

Details of the supplier of the safety data sheet

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Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Remark
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle-upon-Tyne NE1 4LP Newcastle	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 H302 Skin corrosion/irritation, Category 1B H314 Skin sensitisation, Category 1 H317 Specific target organ toxicity — Repeated H373 exposure, Category 2 Hazardous to the aquatic environment — H411

Chronic Hazard, Category 2

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

Toxic to aquatic life with long lasting effects. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed. Causes severe skin burns and eye damage.

Label elements

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

Hazard pictograms (CLP)





GHS07





GHS05

: Danger Signal word (CLP)

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Hazardous ingredients : 2-piperazin-1-ylethylamine; 2,4,6-tris(dimethylaminomethyl)phenol; m-

phenylenebis(methylamine); Reaction products of di-, tri- and tetra-propoxylated propane-1,2-

diol with ammonia

Hazard statements (CLP) : H302 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H373 - May cause damage to organs through prolonged or repeated exposure

H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P260 - Do not breathe vapours, mist, spray

P280 - Wear protective gloves, protective clothing, eye protection

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with 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 P314 - Get medical advice/attention if you feel unwell

P501 - Dispose of contents and container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation

2.3. Other hazards

Other hazards not contributing to the classification

: Without VOC (volatile organic compounds).

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	Conc. (% w/w)	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction products of di-, tri- and tetra-propoxylated propane- 1,2-diol with ammonia	(CAS-No.) 9046-10-0 (EC-No.) 618-561-0 (REACH-no) 01-2119557899-12	< 50	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Aquatic Chronic 3, H412
m-phenylenebis(methylamine)	(CAS-No.) 1477-55-0 (EC-No.) 216-032-5 (REACH-no) 01-2119480150-50	< 50	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Skin Sens. 1, H317 Aquatic Chronic 3, H412
Reaction products of di-, tri- and tetra-propoxylated propane- 1,2-diol with ammonia	(CAS-No.) 9046-10-0 (EC-No.) 618-561-0 (REACH-no) 01-2119557899-12	< 25	Skin Corr. 1C, H314 Aquatic Chronic 3, H412
2,4,6-tris(dimethylaminomethyl)phenol	(CAS-No.) 90-72-2 (EC-No.) 202-013-9 (EC Index-No.) 603-069-00-0 (REACH-no) 01-2119560597-27	< 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Skin Sens. 1, H317
4-tert-butylphenol	(CAS-No.) 98-54-4 (EC-No.) 202-679-0 (EC Index-No.) 604-090-00-8 (REACH-no) 01-2119489419-21	< 3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361f Aquatic Chronic 1, H410
2-piperazin-1-ylethylamine	(CAS-No.) 140-31-8 (EC-No.) 205-411-0 (EC Index-No.) 612-105-00-4 (REACH-no) 01-2119471486-30	< 2,5	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1B, H314 Skin Sens. 1, H317 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 3, H412
Bis[(dimethylamino)methyl]phenol	(CAS-No.) 71074-89-0 (EC-No.) 275-162-0	< 2,5	Skin Corr. 1B, H314

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : N

: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical

advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

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First-aid measures after skin contact : Remove contaminated clothes. Wash skin thoroughly with mild soap and water. If skin irritation

or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 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 : Rinse mouth. Do not induce vomiting without medical advice. Call a poison center or a doctor if

vou feel unwell.

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

Symptoms/effects after skin contact : 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. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard. Presents no particular fire or explosion hazard.

Hazardous decomposition products in case of : For further information, refer to section 10 : "Stability and Reactivity".

fire

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Provide adequate ventilation.

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin and eyes. Do not breathe vapours,

mist, spray.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure

controls/personal protection".

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Sweep or shovel spills into appropriate container for

disposal.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Concerning personal protective equipment to use, see item 8. Provide good ventilation in

process area to prevent formation of vapour. Avoid contact with skin and eyes. Wear personal

protective equipment. Do not breathe vapours, mist, spray.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when

not in use. Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures.

Incompatible products : acids.

Storage temperature : $20 \, ^{\circ}\text{C} \pm 10 \, ^{\circ}\text{C}$

Heat and ignition sources : Keep away from heat and direct sunlight.

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7.3. Specific end use(s)

Industrial. Professional.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls:

Provide local exhaust or general room ventilation to minimize vapour concentrations. Ensure good ventilation of the work station.

Personal protective equipment:

Protective clothing. Gloves. Protective goggles.

Hand protection:

Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent)

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves, Reusable gloves	nitrile rubber (NBR), Polyvinylchloride (PVC)	6 (> 480 minutes)	≥0,11		EN 374

Eye protection:

Protective goggles. DIN EN 166

Skin and body protection:

Wear suitable protective clothing. CEN: EN 340; EN 369; EN 465

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143







Environmental exposure controls:

Avoid release to the environment.

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical ar	nd chemical properties
Physical state	: Liquid
Colour	: Colourless.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: <0°C

Freezing point : No data available

Boiling point : > 100 °C
Flash point : > 62 °C

Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable
Vapour pressure : No data available
Relative vapour density at 20 °C : > 1 (air=1)
Relative density : 1,05 (H2O=1)

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Solubility : In water, material is partially soluble.

Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known.

10.4. Conditions to avoid

Avoid extremely high (> 50 ° C) or low (<5 ° C) temperatures. Keep away from heat and direct sunlight.

10.5. Incompatible materials

acids.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

Acute toxicity (oral) : Oral: Harmful if swallowed.

Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

ATE oral 798 mg/kg bodyweight

ATE oral	798 mg/kg bodyweignt
Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)	
LD50 oral rat	480 mg/kg
LD50 dermal rabbit	2090 mg/kg

m-phenylenebis(methylamine) (1477-55-0)

LD50 dermal rabbit

, (,, (
LD50 oral rat	930 mg/kg (Rat)
LC50 inhalation rat (mg/l)	2,4 mg/l/4h (Rat)

2-piperazin-1-ylethylamine (140-31-8)		
	LD50 oral rat	2140 mg/kg
	LD50 dermal rat	2250 ml/kg

866 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.
Serious eye damage/irritation : Serious eye damage, category 1, implicit
Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified Carcinogenicity : Not classified Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified

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SECTION 12: Ecological ir	formation	l informa	nical inform	SECTION 12: Eco
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12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)		
LC50 fishes 1	> 100 mg/l	
EC50 Daphnia 1	15 mg/l	
EC50 72h algae (1)	135 mg/l	

m-phenylenebis(methylamine) (1477-55-0)		
LC50 fish 2	> 100 mg/l (LC50; 96 h)	
EC50 Daphnia 1	16 mg/l (EC50; 48 h)	
Threshold limit algae 1	12 mg/l (EC50; 72 h)	

12.2. Persistence and degradability

Persistence and degradability Not established.

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)

Persistence and degradability Biodegradability in soil: no data available.

m-phenylenebis(methylamine) (1477-55-0)

Persistence and degradability not readily degradable in water.

12.3. Bioaccumulative potential

DRY FLEX® 16 - Component B

Bioaccumulative potential Not established.

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia (9046-10-0)

Bioaccumulative potential No bioaccumulation data available.

m-phenylenebis(methylamine) (1477-55-0)			
BCF fish 1	< 2,7 (BCF)		
Log Pow	0,15		
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).		

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

DRY FLEX® 16 - Component B

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Empty containers should be taken for recycle, recovery or waste in accordance with local

regulation.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous

substances

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR		IMDG	IATA	ADN	RID
14.1.	14.1. UN number				
2735		2735	2735	2735	2735
14.2.	14.2. UN proper shipping name				
AMINES	, LIQUID,	AMINES, LIQUID,	AMINES, LIQUID,	AMINES, LIQUID,	AMINES, LIQUID,
CORRO	SIVE, N.O.S. (m-	CORROSIVE, N.O.S. (m-	CORROSIVE, N.O.S. (M-	CORROSIVE, N.O.S. (m-	CORROSIVE, N.O.S. (m-
phenylen	ebis(methylamine	phenylenebis(methylamine	PHENYLENEBIS(METHY	phenylenebis(methylamine	phenylenebis(methylamine

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ADR	IMDG	IATA	ADN	RID
))))	LAMINE))))))
UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m- phenylenebis(methylamine)), 8, III, (E), ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m- phenylenebis(methylamine)), 8, III, MARINE POLLUTANT/ENVIRONM ENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (M- PHENYLENEBIS(METHY LAMINE)), 8, III, ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m- phenylenebis(methylamine)), 8, III, ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (m- phenylenebis(methylamine)), 8, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard	class(es)			
8	8	8	8	8
14.4. Packing group	14.4. Packing group			
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
	Marine pollutant : Yes			
No supplementary information available				

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C7
Special provisions (ADR) : 274
Limited quantities (ADR) : 5I
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P001, IBC03, LP01, R001

Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions : T7
(ADR)

Portable tank and bulk container special

provisions (ADR)

Tank code (ADR) : L4BN
Vehicle for tank carriage : AT
Transport category (ADR) : 3
Special provisions for carriage - Packages : V12

(ADR)

Hazard identification number (Kemler No.) : 80

Orange plates :

80 2735

: TP1, TP28

Tunnel restriction code (ADR) : E
EAC code : 2X
APP code : B

- Transport by sea

Special provisions (IMDG) : 223, 274

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : P001, LP01

IBC packing instructions (IMDG): IBC03Tank instructions (IMDG): T7Tank special provisions (IMDG): TP1, TP28EmS-No. (Fire): F-AEmS-No. (Spillage): S-B

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Stowage category (IMDG) Segregation (IMDG) : SG35

Properties and observations (IMDG) : Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in

water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous

membranes.

MFAG-No 153

- Air transport

PCA Excepted quantities (IATA) : E1 PCA Limited quantities (IATA) : Y841 PCA limited quantity max net quantity (IATA) : 1L PCA packing instructions (IATA) : 852 PCA max net quantity (IATA) : 5L CAO packing instructions (IATA) : 856 CAO max net quantity (IATA) : 60L Special provisions (IATA) : A3 ERG code (IATA) : 81

- Inland waterway transport

: C7 Classification code (ADN) Special provisions (ADN) : 274 Limited quantities (ADN) : 5 L Excepted quantities (ADN) : E1 Carriage permitted (ADN) : T : PP, EP Equipment required (ADN) Number of blue cones/lights (ADN) : 0

- Rail transport

Classification code (RID) : C7 Special provisions (RID) : 274 Limited quantities (RID) : 5L : E1 Excepted quantities (RID)

Packing instructions (RID) : P001, IBC03, LP01, R001

Mixed packing provisions (RID) : MP19 Portable tank and bulk container instructions · T7

(RID)

Portable tank and bulk container special

: TP1, TP28 provisions (RID)

Tank codes for RID tanks (RID) : L4BN Transport category (RID) : 3 Special provisions for carriage - Packages : W12

(RID)

Colis express (express parcels) (RID) : CE8 Hazard identification number (RID) : 80

Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

SECTION 15: Regulatory information

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

Directive 2012/18/EU (SEVESO III) : E2 Hazardous to the Aquatic Environment in Category Chronic 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 information

Indication of changes:

Revised safety data sheet in accordance with commission regulation (EU) No 2015/830.

Section Section	sheet in accordance with commission reg Changed item	Change	Comments
	Use of the substance/mixture	_	Comments
1.2		Modified	
1.2	Main use category	Added	
1.2	Industrial/Professional use spec	Removed	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.1 Adverse physicochemical, human health and environmental effects		Added	
2.2	Hazard symbols	Removed	
2.2	R-phrases	Removed	
2.2	Hazard pictograms (CLP)	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
4.1	First-aid measures after inhalation	Modified	
4.1	First-aid measures after ingestion	Modified	
4.1	First-aid measures after eye contact	Modified	
4.1	First-aid measures after skin contact	Modified	
4.2	Symptoms/effects Removed		
4.2	Symptoms/effects after ingestion	Removed	
4.2	Symptoms/effects after inhalation	Removed	
4.2	Symptoms/effects after skin contact	Modified	
4.3	Other medical advice or treatment	Added	
5.2	Fire hazard	Modified	
5.2	Hazardous decomposition Added products in case of fire		
6.1	Protective equipment	Modified	
6.1	Emergency procedures	Modified	
6.2	Environmental precautions	Modified	
6.3	Methods for cleaning up	Modified	
6.3	Other information	Added	
6.3	For containment	Added	
6.4			
7.1	Hygiene measures	Modified	
7.1	Precautions for safe handling	Modified	
7.2	Incompatible materials	Removed	
7.2	Technical measures	Removed	
7.2	Incompatible products	Modified	
7.2	Storage conditions	Modified	
7.2	Heat and ignition sources	Added	
7.3	Specific end uses		
8.2	Respiratory protection	Modified	
8.2	Environmental exposure controls	Added	
8.2	Appropriate engineering controls		
8.2	Skin and body protection	Modified	
8.2	Eye protection	Modified	
8.2	Hand protection	Modified	
8.2	Personal protective equipment	Modified	
9.1	Relative vapour density at 20 °C	Modified	
U. I	Aciative vapour defisity at 20 C	Modifica	

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9.1	Relative density	Modified
10.1	Reactivity	Modified
10.2	Chemical stability	Modified
10.3	Possibility of hazardous	Modified
	reactions	
10.4	Conditions to avoid	Modified
10.6	Hazardous decomposition	Removed
	products	
11.1	Additional information	Removed
11.1	Additional information	Removed
11.1	Potential adverse human health	Removed
	effects and symptoms	
11.1	ATE dust/mist	Removed
11.1	ATE dermal	Removed
11.1	ATE oral	Modified
11.1	Additional information	Removed
12.1	Ecology - general	Added
12.1	Ecology - water	Removed
12.2	Persistence and degradability	Modified
13.1	Waste disposal	Modified
	recommendations	
13.1	Additional information	Added
16	Data sources	Modified
16	Abbreviations and acronyms	Added

Abbreviations and acronyms:

abbieviations and adjornyms.		
SDS	Safety Data Sheet	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
PBT	Persistent Bioaccumulative Toxic	
vPvB	Very Persistent and Very Bioaccumulative	
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	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
LC50	Median lethal concentration	
LD50	Median lethal dose	
CAS	CAS (Chemical Abstracts Service) number	
	EG-nr.: EINECS- en ELINCS-number	
	EINECS: European Inventory of Existing Commercial Substances	
	OEL: Occupational Exposure Limit	

Data sources

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Other information

: REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number). DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4	
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1	
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2	

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Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3	
Eye Dam. 1	Serious eye damage/eye irritation, Category 1	
Repr. 2	Reproductive toxicity, Category 2	
Repr. 2	Reproductive toxicity, Category 2	
Skin Corr. 1B	Skin corrosion/irritation, Category 1B	
Skin Corr. 1C	Skin corrosion/irritation, Category 1C	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1	
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2	
H302	Harmful if swallowed	
H311	Toxic in contact with skin	
H314	Causes severe skin burns and eye damage	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H318	Causes serious eye damage	
H332	Harmful if inhaled	
H361	Suspected of damaging fertility or the unborn child	
H361f	Suspected of damaging fertility	
H372	Causes damage to organs through prolonged or repeated exposure	
H373	May cause damage to organs through prolonged or repeated exposure	
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	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

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Acute Tox. 4 (Oral)	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Skin Sens. 1	H317	Calculation method
STOT RE 2	H373	Calculation method
Aquatic Chronic 2	H411	Calculation method

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

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