

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1

TPH.
waterproofing systems

HYDROPOX W B-Komponente

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

1.1. Product identifier

Trade name/designation:

HYDROPOX W B-Komponente

UFI:

CD14-ANXT-T8E1-K7VA

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Baustysteme GmbH

Nordportbogen 8
22848 Norderstedt
Germany

Telephone: +49 40 52 90 66 78-0

Telefax: +49 40 52 90 66 78-78

E-mail: info@tph-baustysteme.com

Website: www.tph-baustysteme.com

E-mail (competent person): sdb-info@tph-baustysteme.com

1.4. Emergency telephone number

24h: GIZ-Nord +49 551 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (Skin Corr. 1A)	H314: Causes severe skin burns and eye damage.	Calculation method.
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion



GHS07
Exclamation mark

Signal word: Danger

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

Hazard components for labelling:

m-phenylenebis(methylamine); 2-methylpentane-1,5-diamine; Amines, polyethylenepoly-, triethylenetetramine fraction; bis[(dimethylamino)methyl]phenol

hazard statements for health hazards

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.

Hazard statements for environmental hazards

H412	Harmful to aquatic life with long lasting effects.
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Supplemental hazard information

EUH208	Contains m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction. May produce an allergic reaction.
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Precautionary statements Response

P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor/...
P362 + P364	Take off contaminated clothing and wash it before reuse.

Special rules for supplemental label elements for certain mixtures:

8,2 % percent of the mixture consists of ingredient(s) of unknown acute toxicity (inhalative).
10,2 % percent of the mixture consists of components of unknown hazards to the aquatic environment.

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 1477-55-0 EC No.: 216-032-5 REACH No.: 01-2119480150-50-XXXX	m-phenylenebis(methylamine) Acute Tox. 4, Aquatic Chronic 3, Eye Dam. 1, Skin Corr. 1B, Skin Sens. 1B Danger H302-H314-H317-H318-H332-H412	25 - 50 weight-%
CAS No.: 15520-10-2 EC No.: 239-556-6 REACH No.: 01-2119976310-41-XXXX	2-methylpentane-1,5-diamine Acute Tox. 4, Eye Dam. 1, STOT SE 3, Skin Corr. 1A Danger H302 + H312 + H332-H314-H335	10 - 25 weight-%
CAS No.: 90640-67-8 EC No.: 292-588-2 REACH No.: 01-2119487919-13-XXXX	Amines, polyethylenepoly-, triethylenetetramine fraction Acute Tox. 4, Aquatic Chronic 3, Eye Dam. 1, Skin Corr. 1B, Skin Sens. 1 H302 + H312-H314-H317-H412	10 - 25 weight-%
CAS No.: 90-72-2 EC No.: 202-013-9 REACH No.: 01-2119560597-27-XXXX	2,4,6-tris(dimethylaminomethyl)phenol Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2 Warning H302-H315-H319	2.5 - 10 weight-%
CAS No.: 61788-44-1 EC No.: 262-975-0 REACH No.: 01-2119980970-27-XXXX	Phenol, styrenated Aquatic Chronic 2 H411	2.5 - 10 weight-%

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 71074-89-0 EC No.: 275-162-0	bis[(dimethylamino)methyl]phenol Acute Tox. 4, Eye Dam. 1, STOT SE 3, Skin Corr. 1B Danger H302-H312-H314-H318-H335	≤ 2.5 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. Get immediate medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

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.

Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell. Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Get immediate medical advice/attention.

Self-protection of the first aider:

Use personal protection equipment.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation Irritation to respiratory tract

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

5.4. Additional information

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

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

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 containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class: 8A - Combustible corrosive substances

7.3. Specific end use(s)

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
CH	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	① 0.1 mg/m ³ ⑤ (kann über die Haut aufgenommen werden)
BE	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (peut être absorbé par la peau)
NO	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³
HTP (FI)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (kan absorberas genom huden)
DK	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.02 ppm (0.1 mg/m ³) ⑤ (kan optages gennem huden)
Alberta (CA)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 ppm (1.3 mg/m ³)
BC (CA)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (may be absorbed through the skin)
VLA (FR)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	② 0.1 mg/m ³
KR	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (피부를 통한 흡수를 예상해야 한다)
IS	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	② 0.02 ppm (0.1 mg/m ³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)
IE	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	① 0.1 mg/m ³
MAK (AT)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	① 0.1 mg/m ³ ② 0.1 mg/m ³

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MY	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (resapan melalui kulit hendaklah diambil kira)
Québec (CA)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³
NIOSH (US)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.1 mg/m ³ ⑤ (may be absorbed through the skin)
ACGIH (US)	m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	③ 0.018 ppm ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	④ 0 mg/m ³ ⑤ Mass fraction (wt %): 0

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min
In the case of wanting to use the gloves again, clean them before taking off and air them well.
Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Filtering device with filter or ventilator filtering device of type: A A

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light yellow

Odour: Amines

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	> 100 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.005 g/cm ³	23 °C	ISO 2811, part 2	
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	≈ 75 mPa*s	23 °C	DIN EN ISO 2555	
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	LD₅₀ oral: 1,180 mg/kg (Mouse) LD₅₀ dermal: 3,100 mg/kg (Rabbit)
2-methylpentane-1,5-diamine CAS No.: 15520-10-2 EC No.: 239-556-6	LD₅₀ oral: 1,690 mg/kg (Rat) LD₅₀ dermal: 1,870 mg/kg (Rabbit)
Amines, polyethylenepoly-, triethylenetetramine fraction CAS No.: 90640-67-8 EC No.: 292-588-2	LD₅₀ oral: 1,716 mg/kg (Rat) LD₅₀ dermal: 1,465 mg/kg (Rabbit)
Phenol, styrenated CAS No.: 61788-44-1 EC No.: 262-975-0	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes severe skin burns and eye damage.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction. May produce an allergic reaction.

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

May cause respiratory irritation.

STOT-repeated exposure:

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

Aspiration hazard:

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

Additional information:

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	EC₅₀ : 15.2 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀ : 33.3 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) LC₅₀ : >100 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) LC₅₀ : 87.6 mg/l 4 d (fish, Oryzias latipes (Ricefish))
2-methylpentane-1,5-diamine CAS No.: 15520-10-2 EC No.: 239-556-6	EC₅₀ : 19.8 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀ : >100 mg/l 3 d (Algae/water plant) LC₅₀ : 1,825 mg/l 4 d (fish, Pimephales promelas (fathead minnow))
Amines, polyethylenepoly-, triethylenetetramine fraction CAS No.: 90640-67-8 EC No.: 292-588-2	EC₅₀ : 31.1 mg/l 2 d (crustaceans, Daphnia magna (Big water flea)) EC₅₀ : 3.7 mg/l 2 d (Algae/water plant, Scenedesmus quadricauda) ErC₅₀ : 20 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) LC₅₀ : 330 mg/l 4 d (fish, Pimephales promelas (fathead minnow))
Phenol, styrenated CAS No.: 61788-44-1 EC No.: 262-975-0	EC₅₀ : 4.6 mg/l 2 d (crustaceans, Daphnia magna (Big water flea))

Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

Substance name	Biodegradation	Remark
2,4,6-tris(dimethylaminomethyl)phenol CAS No.: 90-72-2 EC No.: 202-013-9	Yes, slowly	

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
m-phenylenebis(methylamine) CAS No.: 1477-55-0 EC No.: 216-032-5	—
2-methylpentane-1,5-diamine CAS No.: 15520-10-2 EC No.: 239-556-6	—
Amines, polyethylenepoly-, triethylenetetramine fraction CAS No.: 90640-67-8 EC No.: 292-588-2	—
2,4,6-tris(dimethylaminomethyl)phenol CAS No.: 90-72-2 EC No.: 202-013-9	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
Phenol, styrenated CAS No.: 61788-44-1	—

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1

TPH.
waterproofing systems

HYDROPOX W B-Komponente

Substance name	Results of PBT and vPvB assessment
EC No.: 262-975-0	
bis[(dimethylamino)methyl]phenol	—
CAS No.: 71074-89-0	
EC No.: 275-162-0	

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:





08 02 99 Wastes not otherwise specified

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
UN 2735	UN 2735	UN 2735	UN 2735
14.2. UN proper shipping name			
AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction)	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction)	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction, Phenol, styrenated)	AMINES, LIQUID, CORROSIVE, N.O.S. (m-phenylenebis(methylamine), Amines, polyethylenepoly-, triethylenetetramine fraction)
14.3. Transport hazard class(es)			
 8	 8	 8	 8
14.4. Packing group			
I	I	I	I
14.5. Environmental hazards			
No	No	No	No

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.6. Special precautions for user			
Special provisions: 274 Limited quantity (LQ): 0 Excepted Quantities (EQ): E0 Hazard identification number (Kemler No.): 88 Classification code: C7 tunnel restriction code: (E) Remark:	Special provisions: 274 Limited quantity (LQ): 0 Excepted Quantities (EQ): E0 Classification code: C7 Remark:	Special provisions: 274 Limited quantity (LQ): 0 Excepted Quantities (EQ): E0 EmS-No.: F-A, S-B Remark:	Special provisions: A3 Excepted Quantities (EQ): E0 Remark:

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

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 5 Jan 2021

Print date: 5 Jan 2021

Version: 1



HYDROPOX W B-Komponente

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Corr. 1A</i>)	H314: Causes severe skin burns and eye damage.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	Calculation method.
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	Calculation method.
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H302	Harmful if swallowed.
H302 + H312	Harmful if swallowed or in contact with skin.
H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled.
H312	Harmful 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.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available