

SAFETY DATA SHEET

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

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EUROLASTIC Primer ZM Komponente A

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

1.1. Product identifier

Trade name/designation:

EUROLASTIC Primer ZM Komponente A

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses

1.3. Details of the supplier of the safety data sheet

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

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

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
flammable liquids (<i>Flam. Liq. 3</i>)	H226: Flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 1</i>)	H410: Very toxic to aquatic life with long lasting effects.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	

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2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark



GHS09
Environment

Signal word: Warning

Hazard components for labelling:

xylene; ethylbenzene; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane; 1-methoxypropan-2-ol

hazard statements for physical hazards

H226	Flammable liquid and vapour.
------	------------------------------

hazard statements for health hazards

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Hazard statements for environmental hazards

H410	Very toxic to aquatic life with long lasting effects.
------	---

Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P370 + P378	In case of fire: Use Sand, Dry extinguishing powder, alcohol resistant foam to extinguish.
P391	Collect spillage.

2.3. Other hazards

Other adverse effects:

This mixture does not contain any substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

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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.: 7440-66-6 EC No.: 231-175-3 INDEX No.: 030-001-00-1	zinc Aquatic Acute 1, Aquatic Chronic 1 Warning H410	≥ 60 - < 80 %
CAS No.: 25068-38-6 EC No.: 500-033-5 REACH No.: 01-2119456619-26-XXXX	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 Warning H315-H317-H319	≥ 5 - < 10 %
CAS No.: 1330-20-7 EC No.: 215-535-7 REACH No.: 01-2119488216-32-XXXX	xylene Acute Tox. 4, Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2 Danger H226-H304-H312-H315-H332	≥ 2.5 - < 5 %
CAS No.: 107-98-2 EC No.: 203-539-1 REACH No.: 01-2119457435-35-XXXX	1-methoxypropan-2-ol Flam. Liq. 3, STOT SE 3 Warning H226-H336	≥ 2.5 - < 5 %
CAS No.: 100-41-4 EC No.: 202-849-4 REACH No.: 01-2119489370-35-XXXX	ethylbenzene Acute Tox. 4, Asp. Tox. 1, Flam. Liq. 2, STOT RE 2 Danger H225-H304-H332-H373	≥ 1 - < 2.5 %
CAS No.: 4394-85-8 EC No.: 224-518-3 REACH No.: 01-2119457435-35-XXXX	4-morpholinecarbaldehyde The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP]. Warning H317	< 1 %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. Take off immediately all contaminated clothing.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion:

Rinse mouth immediately and drink plenty of water. Do not give fatty oils and milk. Do NOT induce vomiting. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician in any case!

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

Allergic reactions; In case of skin irritation, consult a physician.

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

Treat symptomatically.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Carbon dioxide (CO₂), Dry extinguishing powder

Unsuitable extinguishing media:

Water, Full water jet

5.2. Special hazards arising from the substance or mixture

Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous combustion products:

No known hazardous decomposition products.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment. Keep away from sources of ignition - No smoking. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

6.1.2. For emergency responders

No data available

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 (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Personal protection equipment: see section 8. Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid: Inhalation of vapours or spray/mists; Skin contact; Eye contact. Personal protection equipment: see section 8

Fire prevent measures:

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep in a cool, well-ventilated place. No hazardous reaction when handled and stored according to provisions.

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Storage class: 3 - Flammable liquids

7.3. Specific end use(s)

No data available

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
DFG (DE)	zinc CAS No.: 7440-66-6	① 0.1 mg/m ³ ② 0.4 mg/m ³ ⑤ (alveolengängige Fraktion)
DFG (DE)	zinc CAS No.: 7440-66-6	① 2 mg/m ³ ② 4 mg/m ³ ⑤ (einatembare Fraktion)
IOELV (EU)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	xylene CAS No.: 1330-20-7	① 100 ppm (440 mg/m ³) ② 200 ppm (880 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
TRGS 900 (DE)	1-methoxypropan-2-ol CAS No.: 107-98-2	① 100 ppm (370 mg/m ³) ② 200 ppm (740 mg/m ³)
IOELV (EU)	1-methoxypropan-2-ol CAS No.: 107-98-2	① 100 ppm (375 mg/m ³) ② 150 ppm (568 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	ethylbenzene CAS No.: 100-41-4	① 20 ppm (88 mg/m ³) ② 40 ppm (176 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
IOELV (EU)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (may be absorbed through the skin)

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8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Methylhippur-(Tolur-)säure ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	1-methoxypropan-2-ol CAS No.: 107-98-2	15 mg/L	① Methoxypropanol-2 ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	ethylbenzene CAS No.: 100-41-4	250 mg/g Creatinin	① Mandelsäure + Phenylglyoxylsäure ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	12.3 g/m ³	① DNEL worker ② inhalative, long-term, systemic
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	12.3 g/m ³	① DNEL worker ② inhalative, short-term, systemic, (acute)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	8.3 mg/kg	① DNEL worker ② dermal, long-term, systemic
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	8.3 mg/kg	① DNEL worker ② Acute - dermal, systemic effects
xylene CAS No.: 1330-20-7	77 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
xylene CAS No.: 1330-20-7	289 mg/m ³	① DNEL worker ② inhalative, short-term, systemic, (acute)
xylene CAS No.: 1330-20-7	174 mg/m ³	① DNEL Consumer ② inhalative, short-term, systemic, (acute)
xylene CAS No.: 1330-20-7	14.8 mg/m ³	① DNEL Consumer ② inhalative, long-term, local
xylene CAS No.: 1330-20-7	289 mg/m ³	① DNEL worker ② inhalative, short-term, local, (acute)
xylene CAS No.: 1330-20-7	174 mg/m ³	① DNEL Consumer ② inhalative, short-term, local, (acute)
xylene CAS No.: 1330-20-7	180 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
xylene CAS No.: 1330-20-7	108 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic
4-morpholinecarbaldehyde CAS No.: 4394-85-8	98 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
4-morpholinecarbaldehyde CAS No.: 4394-85-8	14 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic

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Substance name	DNEL value	① DNEL type ② Exposure route
4-morpholinecarbaldehyde CAS No.: 4394-85-8	0.293 mg/ cm ²	① DNEL worker ② dermal, long-term, local

Substance name	PNEC Value	① PNEC type
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	0.003 mg/l	① PNEC aquatic, freshwater
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, freshwater
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, marine water
xylene CAS No.: 1330-20-7	6.58 mg/l	① PNEC sewage treatment plant
xylene CAS No.: 1330-20-7	13.46 mg/kg	① PNEC sediment, freshwater
xylene CAS No.: 1330-20-7	12.46 mg/kg	① PNEC sediment, marine water
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, intermittent release
4-morpholinecarbaldehyde CAS No.: 4394-85-8	0.5 mg/l	① PNEC aquatic, freshwater
4-morpholinecarbaldehyde CAS No.: 4394-85-8	0.05 mg/l	① PNEC aquatic, marine water
4-morpholinecarbaldehyde CAS No.: 4394-85-8	2,000 mg/l	① PNEC sewage treatment plant
4-morpholinecarbaldehyde CAS No.: 4394-85-8	1.85 mg/kg	① PNEC sediment, freshwater
4-morpholinecarbaldehyde CAS No.: 4394-85-8	0.185 mg/kg	① PNEC sediment, marine water
4-morpholinecarbaldehyde CAS No.: 4394-85-8	0.0764 mg/ kg	① PNEC soil
4-morpholinecarbaldehyde CAS No.: 4394-85-8	5 mg/l	① PNEC aquatic, intermittent release

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

Skin protection:

Suitable gloves type: EN ISO 374 Butyl caoutchouc (butyl rubber)/NBR (Nitrile rubber). Wear protective gloves/protective clothing/eye protection/face protection.

Respiratory protection:

Combination filtering device (EN 14387); Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: grey

Odour: characteristic

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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	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	≈ 26 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	≈ 270 °C			
Upper/lower flammability or explosive limits	1 - 7 Vol-%			
Vapour pressure	0.01 hPa			
Vapour density	<i>not determined</i>			
Density	≈ 3.3 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	> 20.5 mm ² /s	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

The product is chemically stable under recommended conditions of storage, use and temperature.

Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	LD₅₀ oral: 11,400 mg/kg (Rat) LD₅₀ dermal: >22,800 mg/kg (Rabbit)
1330-20-7	xylene	LD₅₀ oral: >2,000 mg/kg (Rat) LC₅₀ Acute inhalation toxicity (vapour): 21.7 mg/l 4 h (Rat) LD₅₀ dermal: >1,700 mg/kg (Rabbit)
100-41-4	ethylbenzene	LD₅₀ oral: 3,500 mg/kg (Rat) LD₅₀ dermal: 15,400 mg/kg (Rabbit) ATE inhalativ Gase: 11 ppmV
107-98-2	1-methoxypropan-2-ol	LD₅₀ oral: 4,016 mg/kg (Rat)
4394-85-8	4-morpholinecarbaldehyde	LD₅₀ oral: 7,440 mg/kg (Rat) LC₅₀ Acute inhalation toxicity (dust/mist): >5,319 mg/l 4 h (Rat) LD₅₀ dermal: >18,300 mg/kg (Rabbit)

Skin corrosion/irritation:

Causes skin irritation.

Respiratory or skin sensitisation:

May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
7440-66-6	zinc	LC₅₀: 0.182 mg/l 4 d
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	EC₅₀: 220 mg/l 4 d (Scenedesmus subspicatus) EC₅₀: 3.6 mg/l 4 d (Leuciscus idus (golden orfe)) EC₅₀: 2.8 mg/l 2 d (Daphnia magna (Big water flea)) LC₅₀: 1.3 mg/l 4 d
1330-20-7	xylene	LC₅₀: 2.6 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) IC₅₀: 1 mg/l (Daphnia magna (Big water flea)) EC₅₀: 2.2 mg/l 3 d (Pseudokirchneriella subcapitata) NOEC: 0.44 mg/l 3 d (Pseudokirchneriella subcapitata)

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CAS No.	Substance name	Toxicological information
100-41-4	ethylbenzene	LC₅₀ : 3.72 mg/l 4 d LC₅₀ : 8.78 mg/l 2 d EC₅₀ : 2.93 mg/l 2 d EC₅₀ : 4.6 mg/l 3 d EC₅₀ : 3.6 mg/l 4 d
107-98-2	1-methoxypropan-2-ol	LC₅₀ : 6,812 mg/l 4 d (Leuciscus idus (golden orfe)) DIN 38412 LC₅₀ : 20,800 mg/l 4 d (Pimephales promelas (fa thead minnow)) LC₅₀ : ≥1,000 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) OECD 203 LC₅₀ : 21,100 - 25,900 mg/l 2 d (Daphnia magna (Big water flea)) ErC₅₀ : >1,000 mg/l (Pseudokirchneriella subcapitata) IC₅₀ : 1,000 mg/l (Activated sludge) OECD 209
4394-85-8	4-morpholinecarbaldehyde	LC₅₀ : >500 mg/l 4 d (Leuciscus idus (golden orfe)) EC₅₀ : >500 mg/l 2 d (Daphnia magna (Big water flea)) ErC₅₀ : >23,880 mg/l 3 d (Desmodesmus subspicatus)

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
107-98-2	1-methoxypropan-2-ol	Yes, rapidly	insoluble in: Water
4394-85-8	4-morpholinecarbaldehyde	Yes, rapidly	

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OW}	Bioconcentration factor (BCF)
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	3.242	
100-41-4	ethylbenzene	3.15	
107-98-2	1-methoxypropan-2-ol	0.37	
4394-85-8	4-morpholinecarbaldehyde	-1.2	1.9 Species: Cyprinus carpio (Common Carp); 56 d

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
7440-66-6	zinc	—
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	—
1330-20-7	xylene	—
100-41-4	ethylbenzene	—
107-98-2	1-methoxypropan-2-ol	—
4394-85-8	4-morpholinecarbaldehyde	—

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

12.6. Other adverse effects

No data available

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Waste treatment options









Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

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 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name			
Paint	Paint	Paint (Xylene , zinc)	Paint
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
Special provisions: Excepted Quantities: Hazard identification number (Kemler No.): Classification code: F1 tunnel restriction code: (D/E) Remark:	Special provisions: Excepted Quantities: Classification code: - Remark:	Special provisions: Excepted Quantities: EmS-No.: F-E ; S-E Remark:	Special provisions: Excepted Quantities: Remark:

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
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 legislation

No data available

15.1.2. National regulations

[DE] National regulations

Annex Chemikalien-Verbotsverordnung (ChemVerbotsV)

Volatile organic compounds (VOC) content in percent by weight: 8,4 %

Water hazard class (WGK)

WGK:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

3.2. Mixtures

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

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
flammable liquids (<i>Flam. Liq. 3</i>)	H226: Flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment (<i>Aquatic Acute 1</i>)	H400: Very toxic to aquatic life.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 1</i>)	H410: Very toxic to aquatic life with long lasting effects.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure. (ears)

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Hazard statements

H410	Very toxic to aquatic life with long lasting effects.
------	---

16.6. Training advice

No data available

16.7. Additional information

No data available

* Data changed compared with the previous version

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

1.1. Product identifier

Trade name/designation:

EUROLASTIC Primer ZM Komponente B

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

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Uses advised against:

Sector of uses [SU]

SU 21: Consumer uses

1.3. Details of the supplier of the safety data sheet

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

Euroteam Bauchemie GmbH

An der Mühle 1
15345 Altlandsberg
Germany

Telephone: +49 (0) 33438 14790

Telefax: +49 (0) 33438 147929

E-mail: info@euroteam-bauchemie.de

Website: www.euroteam-bauchemie.de

E-mail (competent person): info@euroteam-bauchemie.de

1.4. Emergency telephone number

Labor, 24h: +49 (0) 162 2599220, Montag - Donnerstag 7:00 - 16:00; Freitag 7:00 - 13:00 +49 (0) 33438 1479 19 (Only available during office hours.)

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
flammable liquids (<i>Flam. Liq. 3</i>)	H226: Flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	
STOT-repeated exposure (<i>STOT RE 2</i>)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	

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2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS08
Health hazard



GHS07
Exclamation mark



GHS09
Environment

Signal word: Warning

Hazard components for labelling:

xylene; ethylbenzene; hydrocarbons, C9 , aromatics; 1-methoxypropan-2-ol

hazard statements for physical hazards

H226	Flammable liquid and vapour.
------	------------------------------

hazard statements for health hazards

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

Hazard statements for environmental hazards

H411	Toxic to aquatic life with long lasting effects.
------	--

Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.

Precautionary statements Response

P370 + P378	In case of fire: Use extinguishing powder or sand to extinguish.
-------------	--

Special rules for supplemental label elements for certain mixtures:

CAS No. 265-199-0 Hydrocarbons

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.: 64742-95-6 EC No.: 918-668-5 REACH No.: 01-2119455851-35-XXXX	hydrocarbons, C9 , aromatics Aquatic Chronic 2, Asp. Tox. 1, Flam. Liq. 3, STOT SE 3 Danger H226-H304-H335-H336-H411	≥ 25 - < 40 %
	Polyaminoamid Eye Irrit. 2, Skin Irrit. 2 H315-H319	≥ 25 - < 40 %
CAS No.: 1330-20-7 EC No.: 215-535-7 REACH No.: 01-2119488216-32-XXXX	xylene Acute Tox. 4, Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2 Danger H226-H304-H312-H315-H332	≥ 10 - < 20 %

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product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 107-98-2 EC No.: 203-539-1 REACH No.: 01-2119457435-35-XXXX	1-methoxypropan-2-ol Flam. Liq. 3, STOT SE 3 Warning H226-H336	≥ 10 - < 20 %
CAS No.: 100-41-4 EC No.: 202-849-4 REACH No.: 01-2119489370-35-XXXX	ethylbenzene Acute Tox. 4, Asp. Tox. 1, Flam. Liq. 2, STOT RE 2 Danger H225-H304-H332-H373	≥ 2.5 - < 5 %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Following inhalation:

In case of respiratory tract irritation, consult a physician. Provide fresh air.

In case of skin contact:

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Do not give fatty oils and milk. Call a physician immediately.

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

Respiratory complaints, Cough, Dizziness.

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:

alcohol resistant foam; Carbon dioxide (CO₂); Dry extinguishing powder

Unsuitable extinguishing media:

Water; Full water jet

5.2. Special hazards arising from the substance or mixture

Do not allow run-off from fire-fighting to enter drains or water courses.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

5.4. Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment. Keep away from sources of ignition - No smoking. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid: Inhalation of vapours or spray/mists; Skin contact; Eye contact. Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Take precautionary measures against static discharge.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep in a cool, well-ventilated place. No hazardous reaction when handled and stored according to provisions.

Storage class: 3 - Flammable liquids

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

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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
TRGS 900 (DE)	hydrocarbons, C9 , aromatics CAS No.: 64742-95-6	① 50 mg/m ³ ② 100 mg/m ³ ⑤ (C9-C14 Aromaten)
IOELV (EU)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m ³) ② 100 ppm (442 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	xylene CAS No.: 1330-20-7	① 100 ppm (440 mg/m ³) ② 200 ppm (880 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
TRGS 900 (DE)	1-methoxypropan-2-ol CAS No.: 107-98-2	① 100 ppm (370 mg/m ³) ② 200 ppm (740 mg/m ³)
IOELV (EU)	1-methoxypropan-2-ol CAS No.: 107-98-2	① 100 ppm (375 mg/m ³) ② 150 ppm (568 mg/m ³) ⑤ (may be absorbed through the skin)
TRGS 900 (DE)	ethylbenzene CAS No.: 100-41-4	① 20 ppm (88 mg/m ³) ② 40 ppm (176 mg/m ³) ⑤ (kann über die Haut aufgenommen werden)
IOELV (EU)	ethylbenzene CAS No.: 100-41-4	① 100 ppm (442 mg/m ³) ② 200 ppm (884 mg/m ³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Time of sampling ④ Remark
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Methylhippur-(Tolur)-säure ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	1-methoxypropan-2-ol CAS No.: 107-98-2	15 mg/L	① Methoxypropanol-2 ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	ethylbenzene CAS No.: 100-41-4	250 mg/g Creatinin	① Mandelsäure + Phenylglyoxylsäure ② Urin ③ Expositionsende bzw. Schichtende

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
hydrocarbons, C9 , aromatics CAS No.: 64742-95-6	150 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
hydrocarbons, C9 , aromatics CAS No.: 64742-95-6	32 mg/m ³	① DNEL Consumer ② inhalative, long-term, systemic
hydrocarbons, C9 , aromatics CAS No.: 64742-95-6	25 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
hydrocarbons, C9 , aromatics CAS No.: 64742-95-6	11 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic
xylene CAS No.: 1330-20-7	77 mg/m ³	① DNEL worker ② inhalative, long-term, systemic
xylene CAS No.: 1330-20-7	289 mg/m ³	① DNEL worker ② inhalative, short-term, systemic, (acute)
xylene CAS No.: 1330-20-7	174 mg/m ³	① DNEL Consumer ② inhalative, short-term, systemic, (acute)
xylene CAS No.: 1330-20-7	14.8 mg/m ³	① DNEL Consumer ② inhalative, long-term, local
xylene CAS No.: 1330-20-7	289 mg/m ³	① DNEL worker ② inhalative, short-term, local, (acute)
xylene CAS No.: 1330-20-7	174 mg/m ³	① DNEL Consumer ② inhalative, short-term, local, (acute)
xylene CAS No.: 1330-20-7	180 mg/kg bw/day	① DNEL worker ② dermal, long-term, systemic
xylene CAS No.: 1330-20-7	108 mg/kg bw/day	① DNEL Consumer ② dermal, long-term, systemic

Substance name	PNEC Value	① PNEC type
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, freshwater
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, marine water
xylene CAS No.: 1330-20-7	6.58 mg/l	① PNEC sewage treatment plant
xylene CAS No.: 1330-20-7	13.46 mg/kg	① PNEC sediment, freshwater
xylene CAS No.: 1330-20-7	12.46 mg/kg	① PNEC sediment, marine water
xylene CAS No.: 1330-20-7	0.327 mg/l	① PNEC aquatic, intermittent release

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

Skin protection:

Suitable gloves type: EN ISO 374 Butyl caoutchouc (butyl rubber)/NBR (Nitrile rubber); Wear protective gloves/protective clothing/eye protection/face protection.

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Respiratory protection:

Combination filtering device (EN 14387); Provide adequate ventilation as well as local exhaustion at critical locations.

8.2.3. Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: yellow

Odour: Amines

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	<i>not determined</i>			
Decomposition temperature	<i>not determined</i>			
Flash point	≈ 31 °C			
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	≈ 270 °C			
Upper/lower flammability or explosive limits	0.8 - 7 Vol-%			
Vapour pressure	7.9993 hPa			
Vapour density	<i>not determined</i>			
Density	≈ 0.9 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility	The study does not need to be conducted because the substance is known to be insoluble in water.			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	> 20.5 mm ² /s	40 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

The product is chemically stable under recommended conditions of storage, use and temperature. Vapours can form explosive mixtures with air.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
1330-20-7	xylene	LD₅₀ oral: >2,000 mg/kg (Rat) LC₅₀ Acute inhalation toxicity (vapour): 21.7 mg/l 4 h (Rat) LD₅₀ dermal: >1,700 mg/kg (Rabbit)
100-41-4	ethylbenzene	LD₅₀ oral: 3,500 mg/kg (Rat) LD₅₀ dermal: 15,400 mg/kg (Rabbit) ATE inhalativ Gase: 11 ppmV
64742-95-6	hydrocarbons, C9 , aromatics	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rabbit) LC₅₀ Acute inhalation toxicity (gas): 3,400 ppmV 4 h
107-98-2	1-methoxypropan-2-ol	LD₅₀ oral: 4,016 mg/kg (Rat)

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye irritation.

STOT-single exposure:

May cause respiratory irritation. May cause drowsiness or dizziness.

STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
1330-20-7	xylene	LC₅₀ : 2.6 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) IC₅₀ : 1 mg/l (Daphnia magna (Big water flea)) EC₅₀ : 2.2 mg/l 3 d (Pseudokirchneriella subcapitata) NOEC : 0.44 mg/l 3 d (Pseudokirchneriella subcapitata)
100-41-4	ethylbenzene	LC₅₀ : 3.72 mg/l 4 d LC₅₀ : 8.78 mg/l 2 d EC₅₀ : 2.93 mg/l 2 d EC₅₀ : 4.6 mg/l 3 d EC₅₀ : 3.6 mg/l 4 d
64742-95-6	hydrocarbons, C9 , aromatics	LC₅₀ : 9.2 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) EC₅₀ : 2.6 - 2.9 mg/l 3 d (Pseudokirchneriella subcapitata) EC₅₀ : 3.2 mg/l 2 d (Daphnia magna (Big water flea))
107-98-2	1-methoxypropan-2-ol	LC₅₀ : 6,812 mg/l 4 d (Leuciscus idus (golden orfe)) DIN 38412 LC₅₀ : 20,800 mg/l 4 d (Pimephales promelas (fathead minnow)) LC₅₀ : ≥1,000 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) OECD 203 LC₅₀ : 21,100 - 25,900 mg/l 2 d (Daphnia magna (Big water flea)) ErC₅₀ : >1,000 mg/l (Pseudokirchneriella subcapitata) IC₅₀ : 1,000 mg/l (Activated sludge) OECD 209

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
107-98-2	1-methoxypropan-2-ol	Yes, rapidly	insoluble in: Water

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OW}	Bioconcentration factor (BCF)
100-41-4	ethylbenzene	3.15	
107-98-2	1-methoxypropan-2-ol	0.37	

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
1330-20-7	xylene	—
100-41-4	ethylbenzene	—
64742-95-6	hydrocarbons, C9 , aromatics	—
107-98-2	1-methoxypropan-2-ol	—

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

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12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

Waste treatment options









Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

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 1263	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name			
Paint	Paint	Paint (hydrocarbons, C9, aromatics, Xylene)	Paint
14.3. Transport hazard class(es)			
 3	 3	 3	 3
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
Special provisions: Excepted Quantities: Hazard identification number (Kemler No.): F1 Classification code: F1 Remark:	Special provisions: Excepted Quantities: Classification code: - Remark:	Special provisions: Excepted Quantities: EmS-No.: F-E ; S-E Remark:	Special provisions: Excepted Quantities: Remark:

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
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 legislation

No data available

15.1.2. National regulations

[DE] National regulations

Annex Chemikalien-Verbotsverordnung (ChemVerbotsV)

Volatile organic compounds (VOC) content in percent by weight: 60,03 %

Water hazard class (WGK)

WGK:

2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

3.2. Mixtures

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

No data available

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
flammable liquids (<i>Flam. Liq. 3</i>)	H226: Flammable liquid and vapour.	
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H335: May cause respiratory irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	
STOT-repeated exposure (<i>STOT RE 2</i>)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure. (ears)

SAFETY DATA SHEET

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

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EUROTEAM
construction chemicals



EUROLASTIC Primer ZM Komponente B

Hazard statements

H411	Toxic to aquatic life with long lasting effects.
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16.6. Training advice

No data available

16.7. Additional information

No data available

* Data changed compared with the previous version