EUROLASTIC Primer U12G Komponente A

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

1.1. Product identifier

Trade name/designation:

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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

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 *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	

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2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS07
Exclamation mark

GHS08
Health hazard

GHS09
Environment

Signal word: Danger

Hazard components for labelling:
xylene; butanone; 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane

hazard statements for physical hazards	
H225	Highly flammable liquid and vapour.

hazard statements for health hazards	
H304	May be fatal if swallowed and enters airways.
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.

hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects.

Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

No data available

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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]	Concen-tration
CAS No.: 78-93-3 **EC No.:** 201-159-0	**butanone** STOT SE 3, Flam. Liq. 2, Eye Irrit. 2 **Danger** H225-H319-H336-EUH066	26 – 44 Wt %
CAS No.: 25068-38-6 **EC No.:** 500-033-5	**4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane** Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 **Warning** H315-H317-H319-H411	19 – 34 Wt %
CAS No.: 1330-20-7 **EC No.:** 215-535-7	**xylene** STOT SE 3, Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT RE 2, Asp. Tox. 1 **Danger** H226-H304-H312 + H332-H315-H319-H335-H373	8 – 15 Wt %
CAS No.: 68611-50-7	**LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW <1800)** Aquatic Chronic 2 H411	5 – 9 Wt %

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 place in recovery position and seek medical advice. Do not leave affected person unattended.

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. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

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.

After ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation Drowsiness 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:
Dry extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

Gases/vapours, harmful; carbon black; Nitrogen oxides (NOx); CARBON DIOXIDE, Carbon monoxide.

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.

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

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 (e.g. 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). Take precautionary measures against static discharge. Ensure adequate ventilation of the storage area.

Fire prevent measures:

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge.

Advices on general occupational hygiene

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

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

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

Requirements for storage rooms and vessels:

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

Storage class: 3 – Flammable liquids

7.3. Specific end use(s)

No data available

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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
IOELV (EU)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m³) ② 300 ppm (900 mg/m³)
TRGS 900 (DE)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m³) ② 200 ppm (600 mg/m³)
TRGS 900 (DE)	xylene CAS No.: 1330-20-7	① 100 ppm (440 mg/m³) ② 200 ppm (880 mg/m³)
IOELV (EU)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m³) ② 100 ppm (442 mg/m³) 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 Sample time ④ remark
TRGS 903 (DE)	butanone CAS No.: 78-93-3	5 mg/L	① 2-Butanon ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	1.5 mg/L	① Xylol ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Methylhipp 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/m³	① DNEL worker ② DNEL acute inhalative (systemic)
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane CAS No.: 25068-38-6	12.3 g/m³	① DNEL worker ② DNEL long-term inhalative (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 DNEL acute dermal, short-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 DNEL long-term dermal (systemic)
xylene CAS No.: 1330-20-7	289 mg/m³	① DNEL worker ② DNEL acute inhalative (systemic)

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Substance name	DNEL value	① DNEL type ② Exposure route
xylene CAS No.: 1330-20-7	174 mg/m³	① DNEL Consumer ② DNEL acute inhalative (systemic)
xylene CAS No.: 1330-20-7	289 mg/m³	① DNEL worker ② DNEL acute inhalative (local)
xylene CAS No.: 1330-20-7	174 mg/m³	① DNEL Consumer ② DNEL acute inhalative (local)
xylene CAS No.: 1330-20-7	77 mg/m³	① DNEL worker ② DNEL long-term inhalative (systemic)
xylene CAS No.: 1330-20-7	14.8 mg/m³	① DNEL Consumer ② DNEL long-term inhalative (local)
xylene CAS No.: 1330-20-7	180 mg/kg bw/day	① DNEL worker ② DNEL long-term dermal (systemic)
xylene CAS No.: 1330-20-7	108 mg/kg bw/day	① DNEL Consumer ② DNEL long-term dermal (systemic)

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	0.327 mg/l	① PNEC aquatic, intermittent release
xylene CAS No.: 1330-20-7	6.58 mg/l	① PNEC sewage treatment plant (STP)
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

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 (goggles) (DIN EN 166)

Skin protection:

Tested protective gloves must be worn DIN EN 374. 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. Suitable gloves type: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), Butyl caoutchouc (butyl rubber)

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Other protection measures:

Wear anti-static footwear and clothing Avoid contact with skin and eyes. When using do not eat, drink or smoke.

8.2.3. Environmental exposure controls

No data available

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8.3. Additional information
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid
Colour: not determined
Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	remark
pH	*not determined*			
Melting point/freezing point	*not determined*			
Freezing point	*not determined*			
Initial boiling point and boiling range	≈ 80 °C			
Decomposition temperature (°C):	*not determined*			
Flash point	0 °C			
Evaporation rate	*not determined*			
Ignition temperature in °C	≈ 500 °C			
Upper/lower flammability or explosive limits	1.8 – 11.5 Vol-%			
Vapour pressure	≈ 400 hPa	50 °C		
Vapour density	*not determined*			
Density	0.99 g/cm³	20 °C		
Bulk density	*not determined*			
Water solubility (g/L)	*not determined*			
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	*not determined*			
Kinematic viscosity	*not determined*	40 °C		

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Extremely flammable liquid and vapour. Risk of explosion if heated under confinement.

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
Warning! Do not use together with other products. May release dangerous gases (chlorine).

10.4. Conditions to avoid
SECTION 7: Handling and storage

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
CARBON DIOXIDE; Nitrogen oxides (NOx)

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
78-93-3	butanone	**LD_{50} oral:** >2,193 mg/kg (Rat) OECD 423 **LC_{50} inhalative:** 34 ppmV 4 h (Rat) **LD_{50} dermal:** >5,000 mg/kg (Rabbit) OECD 402
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	**LD_{50} oral:** 11,400 mg/kg (Rat) **LD_{50} dermal:** >22,800 mg/kg (Rabbit)
1330-20-7	xylene	**LD_{50} oral:** >2,000 mg/kg (Rat)
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW <1800)	**LD_{50} oral:** >5,000 mg/kg (Rat) **LD_{50} dermal:** >7,800 mg/kg (Rat)

Acute inhalation toxicity:
Harmful if inhaled.

Skin corrosion/irritation:
Causes severe skin burns and eye damage.

Eye damage/irritation:
Causes serious eye damage.

Respiratory or skin sensitisation:
May cause allergy or asthma symptoms or breathing difficulties if inhaled.

STOT-single exposure:
May cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
78-93-3	butanone	**LC_{50}:** 2,990 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD 203 **EC_{50}:** 308 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 **EC_{50}:** 1,972 mg/l 3 d (Pseudokirchneriella subcapitata) OECD 201
1330-20-7	xylene	**LC_{50}:** 2.6 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) **IC_{50}:** 1 mg/l (Daphnia magna (Big water flea)) **EC_{50}:** 2.2 mg/l 3 d (Pseudokirchneriella subcapitata) **NOEC:** 0.44 mg/l 3 d (Pseudokirchneriella subcapitata)
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW <1800)	**LC_{50}:** 320 mg/l 4 d (Pimephales promelas (fathead minnow)) **ErC_{50}:** 17 mg/l 3 d (Selenastrum capricornutum) **EC_{50}:** 4.71 mg/l 2 d

Aquatic toxicity:
Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
No data available

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12.3. Bioaccumulative potential

CAS No.	Substance name	Log K_{OC}	Bioconcentration factor (BCF)
78-93-3	butanone	0.29	
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	3.242	

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
78-93-3	butanone	—
25068-38-6	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane	—
1330-20-7	xylene	—
68611-50-7	LIQUID POLYSULFIDE POLYMER WITH THIOL END GROUPS (MW <1800)	—

12.6. Other adverse effects

Do not allow to enter into soil/subsoil.

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 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances

*: Evidence for disposal must be provided.

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.

13.2. Additional information

No data available

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.			
1993	1993	1993	1993
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S. (Xylene, Methyl Ethyl Ketone)	FLAMMABLE LIQUID, N.O.S. (Xylene, Methyl Ethyl Ketone)	FLAMMABLE LIQUID, N.O.S. (Xylene, Methyl Ethyl Ketone)	FLAMMABLE LIQUID, N.O.S. (Xylene, Methyl Ethyl Ketone)
14.3. Transport hazard class(es)			
 3	 3	 3	 3

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Land transport (ADR/ RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
		 MARINE POLLUTANT	
14.6. Special precautions for user			
No data available			

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Only use containers specifically approved for the substance/product.

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)

WGK:
2 - deutlich wassergefährdend

15.2. Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

15.3. Additional information
No data available

SECTION 16: Other information

16.1. Indication of changes
2.1. Classification of the substance or mixture
2.2. Label elements
11.1. Information on toxicological effects

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) 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Aspiration hazard *(Asp. Tox. 1)*	H304: May be fatal if swallowed and enters airways.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	

Hazard classes and hazard categories	Hazard statements	Classification procedure
Respiratory or skin sensitisation *(Skin Sens. 1)*	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
STOT-repeated exposure *(STOT RE 2)*	H373: May cause damage to organs through prolonged or repeated exposure.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	

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.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice
No data available

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

EUROLASTIC Primer U12G Komponente B

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

1.1. Product identifier

Trade name/designation:

EUROLASTIC Primer U12G Komponente B

Article No.:
1061

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: Private households (= general public = consumers)

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 *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	

EUROLASTIC Primer U12G Komponente B

2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS05
Corrosion

GHS07
Exclamation mark

GHS09
Environment

Signal word: Danger

Hazard components for labelling:
butan-1-ol; xylene; butanone

hazard statements for physical hazards	
H225	Highly flammable liquid and vapour.

hazard statements for health hazards	
H315	Causes skin irritation.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.

Hazard statements for environmental hazards	
H411	Toxic to aquatic life with long lasting effects.

Supplemental Hazard information (EU): -

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312.2	Call a doctor if you feel unwell.
P362	Take off contaminated clothing.

2.3. Other hazards

No data available

EUROLASTIC Primer U12G Komponente B

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]	Concen-tration
CAS No.: 78-93-3 **EC No.:** 201-159-0	**butanone** STOT SE 3, Flam. Liq. 2, Eye Irrit. 2 **Danger** H225-H319-H336-EUH066	21 – ≤ 35 Wt %
CAS No.: 1330-20-7 **EC No.:** 215-535-7	**xylene** Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 **Warning** H226-H312-H315-H332	7 – ≤ 13.25 Wt %
CAS No.: 71-36-3 **EC No.:** 200-751-6 **REACH No.:** 01-2119484630-38-XXXX	**butan-1-ol** Eye Dam. 1, STOT SE 3, Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 **Danger** H226-H302-H315-H318-H335-H336	7 – ≤ 13.25 Wt %

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 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.

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

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.

After ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Skin corrosion/irritation Serious eye damage/eye irritation Drowsiness 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:
Dry extinguishing powder, alcohol resistant foam

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide, Gases/vapours, harmful, Nitrogen oxides (NOx), carbon black, Carbon monoxide

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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.

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. Avoid contact with eyes and skin. Keep away from sources of ignition - No smoking.

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. Retain contaminated washing water and dispose it. Prevent spread over a wide area (e.g. by containment or oil barriers).

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).

For cleaning up:
Treat the recovered material as prescribed in the section on waste disposal.

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). Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

Fire prevent measures:
Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

Environmental precautions:
Do not allow to enter into soil/subsoil.

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.

Packaging materials:
Keep/Store only in original container.

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Requirements for storage rooms and vessels:
Keep away from heat. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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
IOELV (EU)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m³) ② 300 ppm (900 mg/m³)
TRGS 900 (DE)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m³) ② 200 ppm (600 mg/m³) ⑤ Kann über die Haut aufgenommen werden.
IOELV (EU)	xylene CAS No.: 1330-20-7	① 50 ppm (221 mg/m³) ② 100 ppm (442 mg/m³) ⑤ (May be absorbed through the skin.)
TRGS 900 (DE)	xylene CAS No.: 1330-20-7	① 100 ppm (440 mg/m³) ② 200 ppm (880 mg/m³) ⑤ Kann über die Haut aufgenommen werden.
TRGS 900 (DE)	butan-1-ol CAS No.: 71-36-3	① 100 ppm (310 mg/m³) ② 100 ppm (310 mg/m³)
IOELV (EU)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (May be absorbed through the skin.)
TRGS 900 (DE)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6	① 50 ppm (270 mg/m³) ② 50 ppm (270 mg/m³)
TRGS 900 (DE)	2-methoxypropyl acetate CAS No.: 70657-70-4	① 5 ppm (28 mg/m³) ② 40 ppm (224 mg/m³) ⑤ Kann über die Haut aufgenommen werden.

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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)	butanone CAS No.: 78-93-3	2 mg/L	① 2-Butanon ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	1.5 mg/L	① Xylol ② Blut ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	xylene CAS No.: 1330-20-7	2,000 mg/L	① Methylhipp ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	butan-1-ol CAS No.: 71-36-3	2 mg/g Creatinin	① 1-Butanol, Nach Hydrolyse: ② Urin ③ vor nachfolgender Schicht
TRGS 903 (DE)	butan-1-ol CAS No.: 71-36-3	10 mg/g Creatinin	① 1-Butanol, Nach Hydrolyse: ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
xylene CAS No.: 1330-20-7	289 mg/m³	① DNEL worker ② DNEL acute inhalative (systemic)
xylene CAS No.: 1330-20-7	174 mg/m³	① DNEL Consumer ② DNEL acute inhalative (systemic)
xylene CAS No.: 1330-20-7	289 mg/m³	① DNEL worker ② DNEL acute inhalative (local)
xylene CAS No.: 1330-20-7	174 mg/m³	① DNEL Consumer ② DNEL acute inhalative (local)
xylene CAS No.: 1330-20-7	77 mg/m³	① DNEL worker ② DNEL long-term inhalative (systemic)
xylene CAS No.: 1330-20-7	14.8 mg/m³	① DNEL Consumer ② DNEL long-term inhalative (local)
xylene CAS No.: 1330-20-7	180 mg/kg bw/day	① DNEL worker ② DNEL long-term dermal (systemic)
xylene CAS No.: 1330-20-7	108 mg/kg bw/day	① DNEL Consumer ② DNEL long-term dermal (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	0.327 mg/l	① PNEC aquatic, intermittent release
xylene CAS No.: 1330-20-7	6.58 mg/l	① PNEC sewage treatment plant (STP)

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Substance name	PNEC Value	① PNEC type
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

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 (goggles) (DIN EN 166)

Skin protection:

Tested protective gloves must be worn DIN EN 374. 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. (Recommended material: NBR (Nitrile rubber), CR (polychloroprene, chloroprene rubber), Butyl caoutchouc (butyl rubber)). Wear anti-static footwear and clothing

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: yellow
Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	7			
Melting point	*not determined*			
Freezing point	*not determined*			
Initial boiling point and boiling range	> 80 °C			
Decomposition temperature (°C):	*not determined*			
Flash point	-1 °C			
Evaporation rate	*not determined*			
Ignition temperature in °C	≈ 514 °C			
Upper/lower flammability or explosive limits	*not determined*			
Vapour pressure	≈ 350 hPa	50 °C		
Vapour density	*not determined*			
Relative density	*not determined*			
Bulk density	*not determined*			
Water solubility (g/L)	*not determined*			
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	200 mPa*s	25 °C		
Kinematic viscosity	*not determined*	40 °C		

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9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
Extremely flammable liquid and vapour. Risk of explosion if heated under confinement.

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
Warning! Do not use together with other products. May release dangerous gases (chlorine).

10.4. Conditions to avoid
Safe handling: see section 7 / Strong acid, Oxidising agent, strong

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
Nitrogen oxides (NOx) , Ammonia (NH3) Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
78-93-3	butanone	**LD_{50} oral:** >2,193 mg/kg (Rat) OECD 423 **LC_{50} inhalative:** 34 ppmV 4 h (Rat) **LD_{50} dermal:** >5,000 mg/kg (Rabbit) OECD 402
1330-20-7	xylene	**LD_{50} oral:** >2,000 mg/kg (Rat)
71-36-3	butan-1-ol	**LD_{50} oral:** 790 mg/kg (Rat) **LD_{50} dermal:** 3,400 mg/kg (Rabbit) **LC_{50} inhalative:** 24.3 ppmV 4 h (Rat)

Acute oral toxicity:
Harmful if swallowed, in contact with skin or if inhaled.

Acute dermal toxicity:
Irritating to skin.

Acute inhalation toxicity:
Harmful if inhaled.

Skin corrosion/irritation:
Causes severe skin burns and eye damage.

Serious eye damage/irritation:
The classification criteria for this hazard class are not met by definition.

STOT-single exposure:
May cause respiratory irritation.

Additional information:
The product has not been tested. The statement is derived from the properties of the single components.

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SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
78-93-3	butanone	**LC_{50}:** 2,990 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD 203 **EC_{50}:** 308 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 **EC_{50}:** 1,972 mg/l 3 d (Pseudokirchneriella subcapitata) OECD 201
1330-20-7	xylene	**LC_{50}:** 2.6 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) **IC_{50}:** 1 mg/l (Daphnia magna (Big water flea)) **EC_{50}:** 2.2 mg/l 3 d (Pseudokirchneriella subcapitata) **NOEC:** 0.44 mg/l 3 d (Pseudokirchneriella subcapitata)
71-36-3	butan-1-ol	**LC_{50}:** 100 mg/l 4 d **EC_{50}:** 1,980 mg/l 2 d

Aquatic toxicity:
Very toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K_{OC}	Bioconcentration factor (BCF)
78-93-3	butanone	0.29	
71-36-3	butan-1-ol	0.84	

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
78-93-3	butanone	—
1330-20-7	xylene	—
71-36-3	butan-1-ol	—

12.6. Other adverse effects
Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation.

13.1.1. Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product:

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances

*: Evidence for disposal must be provided.

Waste treatment options
Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

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Appropriate disposal / Package:
Completely emptied packages can be recycled.

13.2. Additional information
No data available

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	
14.1. UN-No.			
UN 1993	UN 1993	UN 1993	
* **14.2. UN proper shipping name**			
FLAMMABLE LIQUID, N.O.S. (butanone, butan-1-ol)	FLAMMABLE LIQUID, N.O.S. (butanone, butan-1-ol)	FLAMMABLE LIQUID, N.O.S. (butanone, butan-1-ol)	
14.3. Transport hazard class(es)			
 3	 3	 3	
14.4. Packing group			
II	II	II	
* **14.5. Environmental hazards**			
		 MARINE POLLUTANT	
* **14.6. Special precautions for user**			
Special provisions: 274 | 601 | 640D **Limited quantity (LQ):** 1 L **Hazard identification number (Kemler No.):** 33 **Classification code:** F1 **tunnel restriction code:** (D/E) **Remark:**	**Special provisions:** 274 | 601 | 640D **Limited quantity (LQ):** 1 L **Classification code:** F1 **Remark:**	**Special provisions:** 274 **Limited quantity (LQ):** 1 L **EmS-No.:** F-E, S-E **Remark:**	

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Only use containers specifically approved for the substance/product.

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

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15.1.2. National regulations

[DE] National regulations

Water hazard class (WGK)

WGK:
3 - stark wassergefährdend

Description:
Classification according to VwVwS, Annex 3.

15.2. Chemical Safety Assessment
For this substance a chemical safety assessment has not been carried out.

15.3. Additional information
No data available

SECTION 16: Other information

16.1. Indication of changes

14.2.	UN proper shipping name
14.5.	Environmental hazards
14.6.	Special precautions for user

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 *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Skin corrosion/irritation *(Skin Irrit. 2)*	H315: Causes skin irritation.	
Serious eye damage/eye irritation *(Eye Dam. 1)*	H318: Causes serious eye damage.	
Acute toxicity (inhalative) *(Acute Tox. 4)*	H332: Harmful if inhaled.	
STOT-single exposure *(STOT SE 3)*	H336: May cause drowsiness or dizziness.	
Hazardous to the aquatic environment *(Aquatic Chronic 2)*	H411: Toxic to aquatic life with long lasting effects.	

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.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.

16.6. Training advice
No data available

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16.7. Additional information

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

* Data changed compared with the previous version