

SAFETY DATA SHEET

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

Revision date: 03-Sep-2015

Print date: 03-Sep-2015

Version: 2.0

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construction chemicals



EUROREPAIR PC 96 AS Komponente A

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR PC 96 AS 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: 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
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark

Signal word: Warning

Hazard components for labelling:

1,4-bis(2,3-epoxypropoxy)butane; reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight \leq 700

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hazard statements for health hazards

H317 May cause an allergic skin reaction.

hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P302 + P352 IF ON SKIN: Wash with plenty of water/....

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

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.: 25068-38-6 EC No.: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700 Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H315-H317-H319-H411	1 - < 5 %
CAS No.: 2425-79-8 EC No.: 219-371-7	1,4-bis(2,3-epoxypropoxy)butane Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1  Warning H312-H315-H317-H319-H332	1 - < 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:

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

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:

IF SWALLOWED: Immediately call a doctor. Keep at rest. Do NOT induce vomiting.

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

No data available

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

No data available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

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

5.4. Additional information

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Keep away from sources of ignition. - No smoking. Ventilate affected area. To follow: SECTION 7: Handling and storage Wear personal protection equipment (refer to section 8).

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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.

For cleaning up:

Clear contaminated areas thoroughly. (Water (with cleaning agent)). Unsuitable material: Solvent

6.4. Reference to other sections

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

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid: Eye contact, Skin contact. When using do not eat, drink or smoke. Wear suitable protective clothing.

Fire prevent measures:

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

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Requirements for storage rooms and vessels:

Keep container tightly closed. Never use pressure to empty container. Keep away from sources of ignition. - No smoking. Put lids on containers immediately after use. Store detached.

Hints on storage assembly:

Do not store together with: Oxidising agent, Food and feedingstuffs, Acid, alkaline Substances

Storage class: 13 - Non-combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place. storage temperature: 15 °C - 20°C . Notice the directions for use on the label. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter types:A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Tested protective gloves must be worn. By long-term hand contact: Use protective skin cream before handling the product. Suitable gloves type: NBR (Nitrile rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride). Thickness of the glove material: > 5 mm. Wear suitable protective clothing and gloves.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Filter types:A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid: Skin contact, Eye contact.

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: solid

Colour: black

Odour: characteristic

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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	2,230 °C			
Decomposition temperature (°C):	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	not determined			
Vapour density	not determined			
Density	2.14 g/cm ³	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			

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

No data available

10.4. Conditions to avoid

Exotherme Reaktion mit: Material, acid-resistant, alkaline, Oxidising agent

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

Carbon dioxide, Nitrogen oxides (NO_x), Carbon monoxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700	LD₅₀ oral: 15,000 mg/kg (Rat) LD₅₀ dermal: 23,000 mg/kg (Rabbit)
2425-79-8	1,4-bis(2,3-epoxypropoxy)butane	ATE dermal: 1,100 mg/kg ATE inhalativ Dämpfe: 11 mg/l ATE inhalativ Stäube+Nebel: 1.5 mg/l

Skin corrosion/irritation:

May cause an allergic skin reaction.

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Additional information:

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700	LC₅₀: 3.6 mg/l 4 d (Leuciscus idus (golden orfe)) ErC₅₀: 220 mg/l 3 d EC₅₀: 2.8 mg/l 2 d

Assessment/classification:

Harmful to aquatic life with long lasting effects.

Additional ecotoxicological information:

Do not allow to enter into soil/subsoil.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

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
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700	—
2425-79-8	1,4-bis(2,3-epoxypropoxy)butane	—

12.6. Other adverse effects

No data available

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 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified

Waste treatment options

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

13.2. Additional information

Do not empty into drains.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

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14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

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

not relevant

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

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

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
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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Hazard statements

H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR PC 96 Komponente B_langsam

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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS05

Corrosion

Signal word: Danger

Hazard components for labelling:

Phenol, 4-nonyl-, branched; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 1,3-Benzenedimethanamine; benzyl alcohol

hazard statements for health hazards

H302 + H332 Harmful if swallowed or if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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.

P307 + P310 IF exposed: Immediately call a POISON CENTER or doctor/physician.

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.: 100-51-6 EC No.: 202-859-9	benzyl alcohol Acute Tox. 4 Warning H302-H332	50 - < 55 %
CAS No.: 2855-13-2 EC No.: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3 Danger H302-H312-H314-H317-H412	20 - < 25 %
CAS No.: 1477-55-0 EC No.: 216-032-5 REACH No.: 01-2119480150-50-XXXX	1,3-Benzenedimethanamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3 H302-H314-H317-H332-H412	20 - < 25 %
CAS No.: 84852-15-3 EC No.: 284-325-5	Phenol, 4-nonyl-, branched Skin Corr. 1B, Repr. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1 Danger H302-H314-H361fd-H410	1 - < 5 %

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Take off immediately all contaminated clothing.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

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:

IF SWALLOWED: Immediately call a doctor. Keep at rest. Do NOT induce vomiting.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

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

5.4. Additional information

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Use personal protection equipment.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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.

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For cleaning up:

Clear contaminated areas thoroughly. (Water (with cleaning agent)). Unsuitable material: Solvent

6.4. Reference to other sections

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

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid: Eye contact, Skin contact. When using do not eat, drink or smoke. Wear suitable protective clothing. Provide adequate ventilation.

Fire prevent measures:

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep container tightly closed. Never use pressure to empty container. Put lids on containers immediately after use. Store detached. Provide for retaining containers, eg. floor pan without outflow.

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place. storage temperature: 15 °C - 30°C . Notice the directions for use on the label. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

7.3. Specific end use(s)

Recommendation:

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Tested protective gloves must be worn. By long-term hand contact: Use protective skin cream before handling the product. Suitable gloves type: NBR (Nitrile rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride). Thickness of the glove material: > 5 mm. Wear suitable protective clothing and gloves. After contact with skin, wash immediately with plenty of water.

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Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid: Skin contact, Eye contact.

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: Amines

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 100 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	380 °C			
Upper/lower flammability or explosive limits	1.2 - 13 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.05 g/cm ³	23 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	400 mPa*s			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

Solubility in different media: Solvent: Immiscible

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

Violent reaction with: Acid, Alkali (lye), Oxidising agent

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10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: Gases/vapours, harmful

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
100-51-6	benzyl alcohol	LD₅₀ oral: 1,230 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rabbit) LC₅₀ inhalative: 4,178 ppmV 4 h (Rat)
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	LD₅₀ oral: 1,030 mg/kg (Rat) ATE dermal: 1,100 mg/kg
1477-55-0	1,3-Benzenedimethanamine	LD₅₀ oral: 930 mg/kg (Rat) LD₅₀ dermal: >3,100 mg/kg (Rabbit) ATE inhalativ Dämpfe: 11 mg/l ATE inhalativ Gase: 1.5 ppmV
84852-15-3	Phenol, 4-nonyl-, branched	LD₅₀ oral: 1,300 mg/kg (Rat)

Skin corrosion/irritation:

Causes severe burns. May produce an allergic reaction.

Eye damage/irritation:

Causes serious eye damage.

Additional information:

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
100-51-6	benzyl alcohol	LC₅₀: 460 mg/l 4 d (Pimephales promelas (fathead minnow)) EC₅₀: 400 mg/l (Daphnia magna (Big water flea)) EC₅₀: 640 mg/l 4 d (Scenedesmus subspicatus) LC₅₀: 27 mg/l 4 d (Lepomis macrochirus (Bluegill))
84852-15-3	Phenol, 4-nonyl-, branched	LC₅₀: 0.137 mg/l 4 d ErC₅₀: 0.33 mg/l EC₅₀: 0.13 mg/l 2 d

Assessment/classification:

Harmful to aquatic life with long lasting effects.

Additional ecotoxicological information:

Do not allow to enter into soil/subsoil.

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)
100-51-6	benzyl alcohol	1.05	
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	1.9	

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
100-51-6	benzyl alcohol	—
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	—
84852-15-3	Phenol, 4-nonyl-, branched	—

12.6. Other adverse effects

No data available

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 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified

Waste treatment options


Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

13.2. Additional information

Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)	
14.1. UN-No.	
2735	
14.2. UN proper shipping name	
AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Benzenedimethanamine, nonylphenol)	
14.3. Transport hazard class(es)	
 8	
14.4. Packing group	
III	
14.5. Environmental hazards	
No data available	

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**Land transport (ADR/
RID)**

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

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)

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

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SECTION 16: Other information

16.1. Indication of changes

- 1.1. Product identifier
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet
- 1.4. Emergency telephone number
- 10.1. Reactivity
- 10.2. Chemical stability
- 10.3. Possibility of hazardous reactions
- 10.4. Conditions to avoid
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products
- 10.7. Additional information
- 11.1. Information on toxicological effects
- 12.1. Toxicity
- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects
- 13.1. Waste treatment methods
- 14.5. Environmental hazards
- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2. Chemical Safety Assessment
- 16.1. Indication of changes
- 16.2. Abbreviations and acronyms
- 16.3. Key literature references and sources for data
- 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
- 16.5. Relevant R-, H- and EUH-phrases (Number and full text)
- 16.6. Training advice
- 16.7. Additional information
- 2.1. Classification of the substance or mixture
- 2.2. Label elements
- 2.3. Other hazards
- 3.1. Substances
- 3.2. Mixtures
- 4.1. Description of first aid measures
- 4.2. Most important symptoms and effects, both acute and delayed
- 4.3. Indication of any immediate medical attention and special treatment needed
- 5.1. Extinguishing media
- 5.2. Special hazards arising from the substance or mixture
- 5.3. Advice for firefighters
- 6.1. Personal precautions, protective equipment and emergency procedures
- 6.2. Environmental precautions
- 6.3. Methods and material for containment and cleaning up
- 6.4. Reference to other sections
- 7.1. Precautions for safe handling
- 7.2. Conditions for safe storage, including any incompatibilities
- 7.3. Specific end use(s)
- 8.1. Control parameters
- 8.2. Exposure controls
- 9.1. Information on basic physical and chemical properties
- 9.2. Other information

16.2. Abbreviations and acronyms

No data available

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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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 3</i>)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements	
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very 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

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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

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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

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2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion



GHS09
Environment



GHS07
Exclamation mark

Signal word: Danger

Hazard components for labelling:

Phenol, 4-nonyl-, branched; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 1,3-Benzenedimethanamine; 2-piperazin-1-ylethylamine

hazard statements for health hazards

H302 + H332	Harmful if swallowed or if inhaled.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

hazard statements for environmental hazards

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

Precautionary statements Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P301 + P330 + P31	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P53	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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/...



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.: 100-51-6 EC No.: 202-859-9	benzyl alcohol Acute Tox. 4  Warning H302-H332	35 - < 40 %
CAS No.: 61788-44-1 EC No.: 262-975-0 REACH No.: 01-2119980970-27-XXXX	Phenol, styrenated Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H315-H317-H411	20 - < 25 %
CAS No.: 2855-13-2 EC No.: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3  Danger H302-H312-H314-H317-H412	15 - < 20 %
CAS No.: 1477-55-0 EC No.: 216-032-5 REACH No.: 01-2119480150-50-XXXX	1,3-Benzenedimethanamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3 H302-H314-H317-H332-H412	15 - < 20 %

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product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 140-31-8 EC No.: 205-411-0 REACH No.: 01-2119471486-30-XXXX	2-piperazin-1-ylethylamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3   Danger H302-H312-H314-H317-H412	5 - < 10 %
CAS No.: 84852-15-3 EC No.: 284-325-5	Phenol, 4-nonyl-, branched Skin Corr. 1B, Repr. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1    Danger H302-H314-H361fd-H410	1 - < 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:

Take off immediately all contaminated clothing.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner. In case of skin irritation, consult a physician.

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:

IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Formation of: Gases/vapours, toxic

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

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

5.4. Additional information

No data available

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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:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Use personal protection equipment.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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.

For cleaning up:

Clear contaminated areas thoroughly. (Water (with cleaning agent)). Unsuitable material: Solvent

6.4. Reference to other sections

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

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid: Eye contact, Skin contact. When using do not eat, drink or smoke. Wear suitable protective clothing. Provide adequate ventilation.

Fire prevent measures:

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep container tightly closed. Never use pressure to empty container. Put lids on containers immediately after use. Store detached. Provide for retaining containers, eg. floor pan without outflow.

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place. storage temperature: 15 °C - 30°C . Notice the directions for use on the label. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

7.3. Specific end use(s)

Recommendation:

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Tested protective gloves must be worn. By long-term hand contact: Use protective skin cream before handling the product. Suitable gloves type: NBR (Nitrile rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride). Thickness of the glove material: > 5 mm. Wear suitable protective clothing and gloves. After contact with skin, wash immediately with plenty of water.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid: Skin contact, Eye contact.

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: Amines

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 220 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 100 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	315 °C			
Upper/lower flammability or explosive limits	1 - 10.5 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1 g/cm ³			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			

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parameter		at °C	Method	Remark
Dynamic viscosity	475 mPa*s			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

Solubility in different media: Solvent: Immiscible

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

Violent reaction with: Acid, Alkali (lye), Oxidising agent

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: Gases/vapours, harmful

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
100-51-6	benzyl alcohol	LD₅₀ oral: 1,230 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rabbit) LC₅₀ inhalative: 4,178 ppmV 4 h (Rat)
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	LD₅₀ oral: 1,030 mg/kg (Rat) ATE dermal: 1,100 mg/kg
1477-55-0	1,3-Benzenedimethanamine	LD₅₀ oral: 930 mg/kg (Rat) LD₅₀ dermal: >3,100 mg/kg (Rabbit) ATE inhalativ Dämpfe: 11 mg/l ATE inhalativ Gase: 1.5 ppmV
140-31-8	2-piperazin-1-ylethylamine	LD₅₀ oral: 2,110 mg/kg (Rat) LD₅₀ dermal: 867 mg/kg (Rabbit)
84852-15-3	Phenol, 4-nonyl-, branched	LD₅₀ oral: 1,300 mg/kg (Rat)
61788-44-1	Phenol, styrenated	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)

Skin corrosion/irritation:

Causes severe burns. May produce an allergic reaction.

Eye damage/irritation:

Causes serious eye damage.

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
140-31-8	2-piperazin-1-ylethylamine	LC₅₀ : 2,190 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD 203 EC₅₀ : 58 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 ErC₅₀ : >1,000 mg/l 3 d (Pseudokirchneriella subcapitata) OECD 201
84852-15-3	Phenol, 4-nonyl-, branched	LC₅₀ : 0.137 mg/l 4 d ErC₅₀ : 0.33 mg/l EC₅₀ : 0.13 mg/l 2 d
61788-44-1	Phenol, styrenated	LC₅₀ : 14.8 mg/l 4 d (Brachydanio rerio (zebrafish)) OECD 203 EC₅₀ : >1 - 10 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 EC₅₀ : 3.14 mg/l 3 d (Scenedesmus subspicatus) OECD 201 NOEC : 1.9 mg/l 12 d (Oryzias latipes (Ricefish)) NOEC : 0.2 mg/l 21 d (Daphnia magna (Big water flea))

Assessment/classification:

Toxic to aquatic life with long lasting effects.

Additional ecotoxicological information:

Do not allow to enter into soil/subsoil.

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
140-31-8	2-piperazin-1-ylethylamine	No	Biodegradation: 0 %, Test duration: 28 d, Method: OECD F
61788-44-1	Phenol, styrenated	No	Biodegradation: 4 %, Method: 310

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	1.9	
140-31-8	2-piperazin-1-ylethylamine	-1.48	

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
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	—
140-31-8	2-piperazin-1-ylethylamine	—
84852-15-3	Phenol, 4-nonyl-, branched	—
61788-44-1	Phenol, styrenated	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified

Waste treatment options

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

13.2. Additional information

Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.

2735

14.2. UN proper shipping name

AMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Benzenedimethanamine, nonylphenol, N-AMINOETHYLPIPERAZINE)

14.3. Transport hazard class(es)



8

14.4. Packing group

III

14.5. Environmental hazards

No data available

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

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)

WGK:

3 - stark wassergefährdend

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15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

15.3. Additional information

No data available

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SECTION 16: Other information

16.1. Indication of changes

- 1.1. Product identifier
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet
- 1.4. Emergency telephone number
- 10.1. Reactivity
- 10.2. Chemical stability
- 10.3. Possibility of hazardous reactions
- 10.4. Conditions to avoid
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products
- 10.7. Additional information
- 11.1. Information on toxicological effects
- 12.1. Toxicity
- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects
- 13.1. Waste treatment methods
- 14.5. Environmental hazards
- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2. Chemical Safety Assessment
- 16.1. Indication of changes
- 16.2. Abbreviations and acronyms
- 16.3. Key literature references and sources for data
- 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
- 16.5. Relevant R-, H- and EUH-phrases (Number and full text)
- 16.6. Training advice
- 16.7. Additional information
- 2.1. Classification of the substance or mixture
- 2.2. Label elements
- 2.3. Other hazards
- 3.1. Substances
- 3.2. Mixtures
- 4.1. Description of first aid measures
- 4.2. Most important symptoms and effects, both acute and delayed
- 4.3. Indication of any immediate medical attention and special treatment needed
- 5.1. Extinguishing media
- 5.2. Special hazards arising from the substance or mixture
- 5.3. Advice for firefighters
- 6.1. Personal precautions, protective equipment and emergency procedures
- 6.2. Environmental precautions
- 6.3. Methods and material for containment and cleaning up
- 6.4. Reference to other sections
- 7.1. Precautions for safe handling
- 7.2. Conditions for safe storage, including any incompatibilities
- 7.3. Specific end use(s)
- 8.1. Control parameters
- 8.2. Exposure controls
- 9.1. Information on basic physical and chemical properties
- 9.2. Other information

16.2. Abbreviations and acronyms

No data available

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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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

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

Hazard statements	
H302	Harmful if swallowed.
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.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR PC 96 Komponente B_schnell

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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:



GHS05
Corrosion



GHS09
Environment



GHS07
Exclamation mark

Signal word: Danger

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Hazard components for labelling:

Phenol, 4-nonyl-, branched; 2-piperazin-1-ylethylamine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; 1,3-Benzenedimethanamine

hazard statements for health hazards

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.

hazard statements for environmental hazards

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

Precautionary statements Prevention

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response

P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/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/....





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.: 61788-44-1 EC No.: 262-975-0 REACH No.: 01-2119980970-27-XXXX	Phenol, styrenated Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H315-H317-H411	50 - < 55 %
CAS No.: 100-51-6 EC No.: 202-859-9	benzyl alcohol Acute Tox. 4  Warning H302-H332	15 - < 20 %
CAS No.: 140-31-8 EC No.: 205-411-0 REACH No.: 01-2119471486-30-XXXX	2-piperazin-1-ylethylamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3  Danger H302-H312-H314-H317-H412	15 - < 20 %
CAS No.: 2855-13-2 EC No.: 220-666-8	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3  Danger H302-H312-H314-H317-H412	1 - < 5 %
CAS No.: 1477-55-0 EC No.: 216-032-5 REACH No.: 01-2119480150-50-XXXX	1,3-Benzenedimethanamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 3 H302-H314-H317-H332-H412	1 - < 5 %
CAS No.: 84852-15-3 EC No.: 284-325-5	Phenol, 4-nonyl-, branched Skin Corr. 1B, Repr. 2, Acute Tox. 4, Aquatic Acute 1, Aquatic Chronic 1  Danger H302-H314-H361fd-H410	< 1 %

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

Take off immediately all contaminated clothing.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner. In case of skin irritation, consult a physician.

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:

IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Formation of: Gases/vapours, toxic

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, harmful

5.3. Advice for firefighters

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

5.4. Additional information

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Use personal protection equipment.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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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.

For cleaning up:

Clear contaminated areas thoroughly. (Water (with cleaning agent)). Unsuitable material: Solvent

6.4. Reference to other sections

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

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid: Eye contact, Skin contact. When using do not eat, drink or smoke. Wear suitable protective clothing. Provide adequate ventilation.

Fire prevent measures:

No special fire protection measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep container tightly closed. Never use pressure to empty container. Put lids on containers immediately after use. Store detached. Provide for retaining containers, eg. floor pan without outflow.

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place. storage temperature: 15 °C - 30°C . Notice the directions for use on the label. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

7.3. Specific end use(s)

Recommendation:

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

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Skin protection:

Tested protective gloves must be worn. By long-term hand contact: Use protective skin cream before handling the product. Suitable gloves type: NBR (Nitrile rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride). Thickness of the glove material: > 5 mm. Wear suitable protective clothing and gloves. After contact with skin, wash immediately with plenty of water.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid: Skin contact, Eye contact.

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: Amines

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	> 220 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	> 100 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	315 °C			
Upper/lower flammability or explosive limits	1 - 10.5 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.97 g/cm ³			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	550 mPa*s			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

Solubility in different media: Solvent: Immiscible

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

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10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Violent reaction with: Acid, Alkali (lye), Oxidising agent

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: Gases/vapours, harmful

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
100-51-6	benzyl alcohol	LD₅₀ oral: 1,230 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rabbit) LC₅₀ inhalative: 4,178 ppmV 4 h (Rat)
140-31-8	2-piperazin-1-ylethylamine	LD₅₀ oral: 2,110 mg/kg (Rat) LD₅₀ dermal: 867 mg/kg (Rabbit)
61788-44-1	Phenol, styrenated	LD₅₀ oral: >2,000 mg/kg (Rat) LD₅₀ dermal: >2,000 mg/kg (Rat)
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	LD₅₀ oral: 1,030 mg/kg (Rat) ATE dermal: 1,100 mg/kg
1477-55-0	1,3-Benzenedimethanamine	LD₅₀ oral: 930 mg/kg (Rat) LD₅₀ dermal: >3,100 mg/kg (Rabbit) ATE inhalativ Dämpfe: 11 mg/l ATE inhalativ Gase: 1.5 ppmV
84852-15-3	Phenol, 4-nonyl-, branched	LD₅₀ oral: 1,300 mg/kg (Rat)

Skin corrosion/irritation:

Causes severe burns. May produce an allergic reaction.

Eye damage/irritation:

Causes serious eye damage.

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
140-31-8	2-piperazin-1-ylethylamine	LC₅₀ : 2,190 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD 203 EC₅₀ : 58 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 ErC₅₀ : >1,000 mg/l 3 d (Pseudokirchneriella subcapitata) OECD 201
61788-44-1	Phenol, styrenated	LC₅₀ : 14.8 mg/l 4 d (Brachydanio rerio (zebrafish)) OECD 203 EC₅₀ : >1 - 10 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 EC₅₀ : 3.14 mg/l 3 d (Scenedesmus subspicatus) OECD 201 NOEC : 1.9 mg/l 12 d (Oryzias latipes (Ricefish)) NOEC : 0.2 mg/l 21 d (Daphnia magna (Big water flea))
84852-15-3	Phenol, 4-nonyl-, branched	LC₅₀ : 0.137 mg/l 4 d ErC₅₀ : 0.33 mg/l EC₅₀ : 0.13 mg/l 2 d

Assessment/classification:

Toxic to aquatic life with long lasting effects.

Additional ecotoxicological information:

Do not allow to enter into soil/subsoil.

12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
140-31-8	2-piperazin-1-ylethylamine	No	Biodegradation: 0 %, Test duration: 28 d, Method: OECD F
61788-44-1	Phenol, styrenated	No	Biodegradation: 4 %, Method: 310

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
140-31-8	2-piperazin-1-ylethylamine	-1.48	
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	1.9	

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
140-31-8	2-piperazin-1-ylethylamine	—
61788-44-1	Phenol, styrenated	—
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	—
84852-15-3	Phenol, 4-nonyl-, branched	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product:

08 02 99 wastes from MFSU of other coatings (including ceramic materials): Wastes not otherwise specified

Waste treatment options

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

13.2. Additional information

Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.

2735

14.2. UN proper shipping name

AMINES, LIQUID, CORROSIVE, N.O.S. (N-AMINOETHYLPIPERAZINE)

14.3. Transport hazard class(es)



8

14.4. Packing group

III

14.5. Environmental hazards

No data available

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

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)

WGK:

3 - stark wassergefährdend

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

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15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

- 1.1. Product identifier
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet
- 1.4. Emergency telephone number
- 10.1. Reactivity
- 10.2. Chemical stability
- 10.3. Possibility of hazardous reactions
- 10.4. Conditions to avoid
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products
- 10.7. Additional information
- 11.1. Information on toxicological effects
- 12.1. Toxicity
- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
- 12.5. Results of PBT and vPvB assessment
- 12.6. Other adverse effects
- 13.1. Waste treatment methods
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- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
- 15.2. Chemical Safety Assessment
- 16.1. Indication of changes
- 16.2. Abbreviations and acronyms
- 16.3. Key literature references and sources for data
- 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
- 16.5. Relevant R-, H- and EUH-phrases (Number and full text)
- 16.6. Training advice
- 16.7. Additional information
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- 2.2. Label elements
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- 3.1. Substances
- 3.2. Mixtures
- 4.1. Description of first aid measures
- 4.2. Most important symptoms and effects, both acute and delayed
- 4.3. Indication of any immediate medical attention and special treatment needed
- 5.1. Extinguishing media
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- 5.3. Advice for firefighters
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- 6.4. Reference to other sections
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- 8.1 Control parameters
- 8.2 Exposure controls
- 9.1. Information on basic physical and chemical properties
- 9.2. Other information

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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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Skin corrosion/irritation (<i>Skin Corr. 1B</i>)	H314: Causes severe skin burns and eye damage.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	
Hazardous to the aquatic environment (<i>Aquatic Chronic 2</i>)	H411: Toxic to aquatic life with long lasting effects.	

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

Hazard statements	
H302	Harmful if swallowed.
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.
H332	Harmful if inhaled.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR PC 96 Komponente B_superschnell

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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
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.	

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2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark



GHS09

Environment

Signal word: Warning

Hazard components for labelling:

3-mercaptopropionic acid; pentaerythritol tetrakis(3-mercaptopropionate)

hazard statements for health hazards	
H302 + H332	Harmful if swallowed or if inhaled.
H317	May cause an allergic skin reaction.
hazard statements for environmental hazards	
H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements Prevention	
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements Response	
P302 + P352	IF ON SKIN: Wash with plenty of water/....
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

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.: 7575-23-7 EC No.: 231-472-8	pentaerythritol tetrakis(3-mercaptopropionate) Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H302-H317-H400-H410 M-factor: 1	95 - < 100 %
CAS No.: 107-96-0 EC No.: 203-537-0	3-mercaptopropionic acid Skin Corr. 1A, Met. Corr. 1, Acute Tox. 3, Acute Tox. 4 H290-H301-H314-H332	< 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:

Take off immediately all contaminated clothing.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner.

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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:

Induce vomiting when the affected person is not unconscious. Rinse mouth immediately and drink plenty of water. Call a doctor if you feel unwell.

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

No data available

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO₂), Water mist

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

In case of fire may be liberated: Gases/vapours, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Full protection suit. If decomposition products are inhaled the following symptoms can occur: Harmful

5.4. Additional information

No data available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Use personal protection equipment.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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.

For cleaning up:

Clear contaminated areas thoroughly. (Water (with cleaning agent)). Unsuitable material: Solvent

6.4. Reference to other sections

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

6.5. Additional information

No data available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Do not breathe gas/fumes/vapour/spray. Avoid: Eye contact, Skin contact. When using do not eat, drink or smoke. Wear suitable protective clothing. (See section 8.) Provide adequate ventilation.

Fire prevent measures:

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

7.2. Conditions for safe storage, including any incompatibilities

Packaging materials:

Keep only in the original container in a cool, well-ventilated place.

Requirements for storage rooms and vessels:

Keep container tightly closed. Never use pressure to empty container. Put lids on containers immediately after use. Store detached. Provide for retaining containers, eg. floor pan without outflow.

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 10 - Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Keep only in the original container in a cool, well-ventilated place. Store in a cool dry place. storage temperature: 15 °C - 30°C . Notice the directions for use on the label. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

7.3. Specific end use(s)

Recommendation:

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Tested protective gloves must be worn. By long-term hand contact: Use protective skin cream before handling the product. Suitable gloves type: NBR (Nitrile rubber), FKM (fluoro rubber), PVC (Polyvinyl chloride). Thickness of the glove material: > 5 mm. Wear suitable protective clothing and gloves. After contact with skin, wash immediately with plenty of water.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Filter types: A, B, E, K. Class 1: Maximum permitted contaminant concentration in inhaled air = 1000 mL/m³ (0.1 % by vol.); class 2: maximum permitted contaminant concentration in inhaled air = 5000 mL/m³ (0.5 % by vol.); class 3: maximum permitted contaminant concentration in inhaled air = 10000 mL/m³ (1.0 % by vol.)

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid: Skin contact, Eye contact.

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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: colourless

Odour: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point/freezing point	-40.1 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	520 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	214 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	300 - 400 °C			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.27 - 1.28 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	3.69 g/l			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

Solubility in different media: Solvent: Immiscible

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions. (SECTION 7: Handling and storage)

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

No information available.

10.5. Incompatible materials

Oxidising agent, strong

10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire may be liberated: Gases/vapours, harmful

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
7575-23-7	pentaerythritol tetrakis(3-mercaptopropionate)	LD₅₀ oral: 1,000 - 2,000 mg/kg (Rat) LC₅₀ inhalative: 20 mg/l (Rat)
107-96-0	3-mercaptopropionic acid	LD₅₀ oral: 96 mg/kg (Rat) ATE inhalativ Gase: 1.5 ppmV ATE inhalativ Dämpfe: 11 mg/l

Acute inhalation toxicity:

Harmful if swallowed or if inhaled.

Skin corrosion/irritation:

May cause an allergic skin reaction.

Additional information:

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
7575-23-7	pentaerythritol tetrakis(3-mercaptopropionate)	LC₅₀: 0.42 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) EC₅₀: 0.71 mg/l 2 d

Assessment/classification:

Very toxic to aquatic life with long lasting effects.

Additional ecotoxicological information:

Do not allow to enter into soil/subsoil.

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

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
7575-23-7	pentaerythritol tetrakis(3-mercaptopropionate)	—

12.6. Other adverse effects

No data available

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:

16 05 08 * discarded organic chemicals consisting of or containing dangerous substances

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Package:

Dispose of waste according to applicable legislation.

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13.2. Additional information

Do not empty into drains.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN-No.

3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (pentaerythritol tetrakis(3-mercaptopropionate))

14.3. Transport hazard class(es)



14.4. Packing group

III

14.5. Environmental hazards



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

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)

WGK:

3 - stark 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

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SECTION 16: Other information

16.1. Indication of changes

- 1.1. Product identifier
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
- 1.3. Details of the supplier of the safety data sheet
- 1.4. Emergency telephone number
- 10.1. Reactivity
- 10.2. Chemical stability
- 10.3. Possibility of hazardous reactions
- 10.4. Conditions to avoid
- 10.5. Incompatible materials
- 10.6. Hazardous decomposition products
- 10.7. Additional information
- 11.1. Information on toxicological effects
- 12.1. Toxicity
- 12.2. Persistence and degradability
- 12.3. Bioaccumulative potential
- 12.4. Mobility in soil
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- 8.2. Exposure controls
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- 9.2. Other information

16.2. Abbreviations and acronyms

No data available

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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
Acute toxicity (oral) (<i>Acute Tox. 4</i>)	H302: Harmful if swallowed.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Acute toxicity (inhalative) (<i>Acute Tox. 4</i>)	H332: Harmful if inhaled.	
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.	

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

Hazard statements	
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available