

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 1/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR HG 50 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
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
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:



GHS07

Exclamation mark



GHS09

Environment

Signal word: Warning

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 2/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

Hazard components for labelling:

reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight ≤ 700 ;
reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight ≤ 700 ;
Oxirane, mono[(C12-14-alkyloxy)methyl] derivs.

hazard statements for health hazards

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Supplemental Hazard information (EU)

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Precautionary statements Prevention

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

P264.1 Wash hands thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

Precautionary statements Response

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

P337 + P313 If eye irritation persists: 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	25 - 30 %
CAS No.: 28064-14-4	reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight ≤ 700 Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H315-H317-H319-H411	10 - 15 %
CAS No.: 68609-97-2 EC No.: 271-846-8	Oxirane, mono[(C12-14-alkyloxy)methyl] derivs. Skin Irrit. 2, Skin Sens. 1  Warning H315-H317	5 - 10 %

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 and wash it before reuse.

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician. Apply cortisone spray at early stage.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 3/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

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. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion:

Do NOT induce vomiting. Immediately call a doctor.

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

No known symptoms to date.

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

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

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

Hazardous combustion products:

Hazardous decomposition products: Carbon dioxide (CO₂), Gases, Nitrogen oxides (NO_x), Carbon monoxide.

5.3. Advice for firefighters

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

5.4. Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Provide adequate ventilation. To follow: SECTION 7: Handling and storage; Personal protection equipment: see section 8

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. 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).

Disposal: see section 13

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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 4/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

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

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels:

Store in a closed container.

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 container dry. To follow: Recommended storage temperature

7.3. Specific end use(s)

Industrial sector specific solutions:

Epoxy resin products, solvent-free, sensitising

Giscode:

RE1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Wear protective gloves. Suitable gloves type: plastic. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Check leak tightness/impermeability prior to use. Use protective skin cream before handling the product. Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber). Thickness of the glove material: $\geq 0,5$ mm. Breakthrough time (maximum wearing time): ≥ 480 min. Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable protective clothing.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing and wash it before reuse. Wash hands before breaks and after work. Wear suitable protective clothing.

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 5/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: pigmented

Odour: characteristic

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	> 150 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not applicable</i>			
Vapour density	<i>not determined</i>			
Density	1.7 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	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			
flow time	> 100 s	23 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Incompatible materials: acid-resistant, alkaline, Oxidising agent

10.6. Hazardous decomposition products

Carbon dioxide, Nitrogen oxides (NO_x), Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation:

Irritating to skin.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 6/10

EUROREPAIR HG 50 Komponente A

Eye damage/irritation:

Irritating to eyes.

Respiratory or skin sensitisation:

Sensitisation to the respiratory tract. Skin sensitisation.

Additional information:

The product is skin resorptive. Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

Assessment/classification:

No information available.

Additional ecotoxicological information:

Do not allow to enter into surface water or drains.

12.2. Persistence and degradability

Additional information:

No information available.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information 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 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
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*: Evidence for disposal must be provided.

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.			
3082		3082	3082

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015







Version: 2.0

Page 7/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700, reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700)		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700, reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700, reaction product: bisphenol-F-(epichlorhydrin)epoxy resin (number average) molecular weight <= 700)
14.3. Transport hazard class(es)			
 9		 9	 9
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
	-	 MARINE POLLUTANT	
14.6. Special precautions for user			
Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 7 Hazard identification number (Kemler No.): 90 Classification code: M6 tunnel restriction code: E remark:	Special provisions: Limited quantity (LQ): Classification code: - remark:	Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 5 L EmS-No.: F-A; ; S-F remark:	Special provisions: E 1 Limited quantity (LQ): remark:

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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 8/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

15.1.2. National regulations

[DE] National regulations

Water hazard class (WGK)

WGK:

2 - deutlich wassergefährdend

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Vorschriften (BGV): D25 Berufsgenossenschaftliche Informationen (BGI): 595

Berufsgenossenschaftliche Regeln (BGR): 227

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 9/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

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) 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

16.3. Key literature references and sources for data

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 10/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente A

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
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
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	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

16.6. Training advice

No data available

16.7. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 1/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR HG 50 Komponente B_normal

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
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.	
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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 2/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

Hazard components for labelling:

Fatty acids, tall-oil, reaction products with tetraethylenepentamine; 3,6,9-triazaundecamethylenediamine; 3-aminopropyltriethoxysilane; 2-piperazin-1-ylethylamine

hazard statements for health hazards

H302 + H312	Harmful if swallowed or in contact with skin.
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

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

Precautionary statements Response

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: 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.: 68953-36-6 EC No.: 273-201-6	Fatty acids, tall-oil, reaction products with tetraethylenepentamine Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2 H317-H318-H411	55 - 60 %
CAS No.: 112-57-2 EC No.: 203-986-2	3,6,9-triazaundecamethylenediamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 2 Danger H302-H312-H314-H317-H411	20 - 25 %
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	10 - 15 %
CAS No.: 919-30-2 EC No.: 213-048-4	3-aminopropyltriethoxysilane Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1 H302-H314-H317	5 - 10 %
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 %

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. In case of respiratory tract irritation, consult a physician. Apply cortisone spray at early stage. If unconscious place in recovery position and seek medical advice.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 3/10

EUROREPAIR HG 50 Komponente B_normal

In case of skin contact:

Wash immediately with: Water. For cleaning up: Polyethylene glycol 400 Subsequently wash off with: Water.
Call a physician immediately.

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. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion:

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Carbon monoxide.

5.3. Advice for firefighters

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

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:

Provide adequate ventilation. Avoid: Inhalation of vapours or spray/mists. Safe handling: see section 7,
Personal protection equipment: see 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 cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

No data available

6.5. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 4/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid: Skin contact, Eye contact, Inhalation of vapours or spray/mists. When using do not eat, drink or smoke.

Advices on general occupational hygiene

Wash hands before breaks and after work. Apply skin care products after work. Use protective skin cream before handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed.

Requirements for storage rooms and vessels:

Keep container tightly closed and dry. To follow: Recommended storage temperature

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

7.3. Specific end use(s)

Industrial sector specific solutions:

Epoxy resin products, solvent-free, sensitising

Giscode:

RE1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Wear protective gloves. Suitable gloves type: plastic. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Check leak tightness/impermeability prior to use. Use protective skin cream before handling the product. Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber). Thickness of the glove material: $\geq 0,5$ mm. Breakthrough time (maximum wearing time): ≥ 480 min. Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable protective clothing.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing and wash it before reuse. Wear suitable protective clothing. Wash hands before breaks and after work.

8.2.3. Environmental exposure controls

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 5/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

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	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	< 1 hPa	50 °C		
Vapour density	<i>not determined</i>			
Density	1 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	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			
flow time	50 - 100 s	23 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Incompatible materials: acid-resistant, alkaline, Oxidising agent

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x), Carbon dioxide (CO₂), Carbon monoxide.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 6/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
112-57-2	3,6,9-triazaundecamethylenediamine	LD₅₀ oral: 3,990 mg/kg (Rat) LD₅₀ dermal: 660 mg/kg (Rabbit)
140-31-8	2-piperazin-1-ylethylamine	LD₅₀ oral: 2,110 mg/kg (Rat) LD₅₀ dermal: 867 mg/kg (Rabbit)

Skin corrosion/irritation:

Corrosive

Eye damage/irritation:

Corrosive

Additional information:

Skin corrosion/irritation, Causes serious eye damage. The product is skin resorptive. Sensitising. Harmful if swallowed. IF INHALED: Do not breathe gas/vapour. Adverse human health effects and symptoms: Dizziness, Headache, Nausea.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
112-57-2	3,6,9-triazaundecamethylenediamine	EC₅₀: 14.6 mg/l 2 d (Daphnia magna (Big water flea))
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

Aquatic toxicity:

No information available.

Additional ecotoxicological information:

No information available.

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 301 F

Additional information:

No information available.

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
140-31-8	2-piperazin-1-ylethylamine	-1.48	

Accumulation / Evaluation:

No information available.

12.4. Mobility in soil

No information available.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 7/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
112-57-2	3,6,9-triazaundecamethylenediamine	—
140-31-8	2-piperazin-1-ylethylamine	—

No information available.

12.6. Other adverse effects

Do not allow to enter into surface water or drains.

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.

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.			
2735		2735	2735
14.2. UN proper shipping name			
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 3-amino-propyltriethoxysilane)		POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 3-amino-propyltriethoxysilane)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 3-amino-propyltriethoxysilane)
14.3. Transport hazard class(es)			
 8		 8	 8
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
No data available			

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 8/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.6. Special precautions for user			
Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 7 Hazard identification number (Kemler No.): 80 Classification code: C7 tunnel restriction code: E remark:	Special provisions: Limited quantity (LQ): Classification code: - remark:	Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 5 L EmS-No.: F-A, ; S-B remark:	Special provisions: E 1 Limited quantity (LQ): remark:

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

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Vorschriften (BGV): D 25 Berufsgenossenschaftliche Informationen (BGI): 595
Berufsgenossenschaftliche Regeln (BGR): 227

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 9/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

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) 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

16.3. Key literature references and sources for data

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 10/10

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_normal

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
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.	
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.
H318	Causes serious eye damage.
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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 1/9

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_schnell

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR HG 50 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
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.	
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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 2/9

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_schnell

Hazard components for labelling:

Fatty acids, tall-oil, reaction products with tetraethylenepentamine; 3,6,9-triazaundecamethylenediamine; 2-piperazin-1-ylethylamine; 3-aminopropyltriethoxysilane

hazard statements for health hazards

H302 + H312	Harmful if swallowed or in contact with skin.
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

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

Precautionary statements Response

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: 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.: 68953-36-6 EC No.: 273-201-6	Fatty acids, tall-oil, reaction products with tetraethylenepentamine Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2 H317-H318-H411	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	25 - 30 %
CAS No.: 112-57-2 EC No.: 203-986-2	3,6,9-triazaundecamethylenediamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 2  Danger H302-H312-H314-H317-H411	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	10 - 15 %
CAS No.: 919-30-2 EC No.: 213-048-4	3-aminopropyltriethoxysilane Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1 H302-H314-H317	5 - 10 %

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. In case of respiratory tract irritation, consult a physician. Apply cortisone spray at early stage. If unconscious place in recovery position and seek medical advice.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 3/9

EUROREPAIR HG 50 Komponente B_schnell

In case of skin contact:

Wash immediately with: Water. For cleaning up: Polyethylene glycol 400 Subsequently wash off with: Water.
Call a physician immediately.

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. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion:

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Carbon monoxide.

5.3. Advice for firefighters

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

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:

Provide adequate ventilation. Avoid: Inhalation of vapours or spray/mists. Safe handling: see section 7,
Personal protection equipment: see 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 cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

No data available

6.5. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 4/9

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_schnell

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid: Skin contact, Eye contact, Inhalation of vapours or spray/mists. When using do not eat, drink or smoke.

Advices on general occupational hygiene

Wash hands before breaks and after work. Apply skin care products after work. Use protective skin cream before handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed.

Requirements for storage rooms and vessels:

Keep container tightly closed and dry. To follow: Recommended storage temperature

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

7.3. Specific end use(s)

Industrial sector specific solutions:

Epoxy resin products, solvent-free, sensitising

Giscode:

RE1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Wear protective gloves. Suitable gloves type: plastic. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Check leak tightness/impermeability prior to use. Use protective skin cream before handling the product. Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber). Thickness of the glove material: $\geq 0,5$ mm. Breakthrough time (maximum wearing time): ≥ 480 min. Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable protective clothing.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing and wash it before reuse. Wear suitable protective clothing. Wash hands before breaks and after work.

8.2.3. Environmental exposure controls

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 5/9

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_schnell

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	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	< 1 hPa	50 °C		
Vapour density	<i>not determined</i>			
Density	≈ 1 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	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			
flow time	30 - 70 s	23 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Incompatible materials: acid-resistant, alkaline, Oxidising agent

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x), Carbon dioxide (CO₂), Carbon monoxide.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 6/9

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_schnell

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation:

Corrosive

Eye damage/irritation:

Corrosive

Additional information:

Skin corrosion/irritation, Causes serious eye damage. The product is skin resorptive. Sensitising. Harmful if swallowed. IF INHALED: Do not breathe gas/vapour. Adverse human health effects and symptoms: Dizziness, Headache, Nausea.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

No information available.

Additional ecotoxicological information:

Do not allow to enter into surface water or drains.

12.2. Persistence and degradability

Additional information:

No information available.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

Do not allow to enter into surface water or drains.

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.

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.			
2735		2735	2735

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015




Version: 2.0

EUROTEAM
construction chemicals



Page 7/9

EUROREPAIR HG 50 Komponente B_schnell

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.2. UN proper shipping name			
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)		POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)
14.3. Transport hazard class(es)			
 8		 8	 8
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
No data available			
14.6. Special precautions for user			
Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 7 Hazard identification number (Kemler No.): 80 Classification code: C7 tunnel restriction code: E remark:	Special provisions: Limited quantity (LQ): Classification code: - remark:	Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 5 L EmS-No.: F-A, ; S-B remark:	Special provisions: E 1 Limited quantity (LQ): remark:
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

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Vorschriften (BGV): D 25 Berufsgenossenschaftliche Informationen (BGI): 595 Berufsgenossenschaftliche Regeln (BGR): 227

15.2. Chemical Safety Assessment

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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 8/9

EUROREPAIR HG 50 Komponente B_schnell

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
- 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) 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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 9/9

EUROREPAIR HG 50 Komponente B_schnell

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
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.	
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.
H318	Causes serious eye damage.
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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 1/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

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

1.1. Product identifier

Trade name/designation:

EUROREPAIR HG 50 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
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.	
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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 2/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

Hazard components for labelling:

Fatty acids, tall-oil, reaction products with tetraethylenepentamine; 3,6,9-triazaundecamethylenediamine; 2-piperazin-1-ylethylamine; 3-aminopropyltriethoxysilane

hazard statements for health hazards

H302 + H312	Harmful if swallowed or in contact with skin.
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

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

Precautionary statements Response

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: 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.: 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	30 - 35 %
CAS No.: 68953-36-6 EC No.: 273-201-6	Fatty acids, tall-oil, reaction products with tetraethylenepentamine Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 2 H317-H318-H411	10 - 15 %
CAS No.: 112-57-2 EC No.: 203-986-2	3,6,9-triazaundecamethylenediamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1, Aquatic Chronic 2 Danger H302-H312-H314-H317-H411	10 - 15 %
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	10 - 15 %
CAS No.: 919-30-2 EC No.: 213-048-4	3-aminopropyltriethoxysilane Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1 H302-H314-H317	5 - 10 %
CAS No.: 98-54-4 EC No.: 202-679-0	4-tert-butylphenol Met. Corr. 1, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2 H290-H317-H319-H411	5 - 10 %
CAS No.: 1477-55-0 EC No.: 216-032-5	m-phenylenebis(methylamine) Skin Corr. 1B, Acute Tox. 4 H302-H312-H314-H332	5 - 10 %
CAS No.: 25620-58-0 EC No.: 247-134-8	trimethylhexane-1,6-diamine Skin Corr. 1B, Acute Tox. 4, Skin Sens. 1 H302-H314-H317	1 - 5 %

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

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 3/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

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. In case of respiratory tract irritation, consult a physician. Apply cortisone spray at early stage. If unconscious place in recovery position and seek medical advice.

In case of skin contact:

Wash immediately with: Water. For cleaning up: Polyethylene glycol 400 Subsequently wash off with: Water. Call a physician immediately.

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. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

After ingestion:

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

Self-protection of the first aider:

First aider: Pay attention to self-protection!

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

No known symptoms to date.

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

none

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Carbon monoxide.

5.3. Advice for firefighters

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

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:

Provide adequate ventilation. Avoid: Inhalation of vapours or spray/mists. Safe handling: see section 7, Personal protection equipment: see 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.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 4/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

6.3. Methods and material for containment and cleaning up

For cleaning up:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

No data available

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid: Skin contact, Eye contact, Inhalation of vapours or spray/mists. When using do not eat, drink or smoke.

Advices on general occupational hygiene

Wash hands before breaks and after work. Apply skin care products after work. Use protective skin cream before handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed.

Requirements for storage rooms and vessels:

Keep container tightly closed and dry. To follow: Recommended storage temperature

Hints on storage assembly:

Keep away from food, drink and animal feedingstuffs.

Storage class: 8A - Combustible corrosive substances

7.3. Specific end use(s)

Industrial sector specific solutions:

Epoxy resin products, solvent-free, sensitising

Giscode:

RE1

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ remark
TRGS 900 (DE)	4-tert-butylphenol CAS No.: 98-54-4	① 0.08 ppm (0.5 mg/m ³) ② 0.16 ppm (1 mg/m ³)

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 5/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

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)	4-tert-butylphenol CAS No.: 98-54-4	2 mg/L	① PTBP, [HydrolyseNach1] ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

Wear protective gloves. Suitable gloves type: plastic. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Check leak tightness/impermeability prior to use. Use protective skin cream before handling the product. Suitable material: NBR (Nitrile rubber), FKM (fluoro rubber). Thickness of the glove material: $\geq 0,5$ mm. Breakthrough time (maximum wearing time): ≥ 480 min. Breakthrough times and swelling properties of the material must be taken into consideration. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable protective clothing.

Respiratory protection:

Respiratory protection necessary at: exceeding exposure limit values. Suitable respiratory protection apparatus: Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo

Other protection measures:

Keep away from food, drink and animal feedingstuffs. Take off immediately all contaminated clothing and wash it before reuse. Wear suitable protective clothing. Wash hands before breaks and after work.

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>			

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

EUROTEAM
construction chemicals



Page 6/11

EUROREPAIR HG 50 Komponente B_superschnell

parameter		at °C	Method	remark
Flash point	> 100 °C			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			
Upper/lower flammability or explosive limits	not determined			
Vapour pressure	< 1 hPa	50 °C		
Vapour density	not determined			
Density	≈ 1 g/cm ³	23 °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			
flow time	30 - 60 s	23 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Incompatible materials: acid-resistant, alkaline, Oxidising agent

10.6. Hazardous decomposition products

Nitrogen oxides (NO_x), Carbon dioxide (CO₂), Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
98-54-4	4-tert-butylphenol	LD₅₀ oral: 2,951 mg/kg (Rat) LD₅₀ dermal: 2,288 mg/kg (Rabbit)
1477-55-0	m-phenylenebis(methylamine)	LD₅₀ oral: 1,200 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rat)
25620-58-0	trimethylhexane-1,6-diamine	LD₅₀ oral: 910 mg/kg (Rat)

Skin corrosion/irritation:

Corrosive

Eye damage/irritation:

Corrosive

Additional information:

Skin corrosion/irritation, Causes serious eye damage. The product is skin resorptive. Sensitising. Harmful if swallowed. IF INHALED: Do not breathe gas/vapour. Adverse human health effects and symptoms: Dizziness, Headache, Nausea.

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 7/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
98-54-4	4-tert-butylphenol	EC₅₀ : 1 - 10 mg/l 2 d (Daphnia magna (Big water flea)) EC₅₀ : 1 - 10 mg/l 4 d
1477-55-0	m-phenylenebis(methylamine)	EC₅₀ : >10 - 100 mg/l 3 d (Scenedesmus subspicatus) EC₅₀ : >10 - 100 mg/l 2 d (Daphnia magna (Big water flea))
25620-58-0	trimethylhexane-1,6-diamine	EC₅₀ : 31.5 mg/l (Daphnia magna (Big water flea)) EC₅₀ : 29.5 mg/l 3 d (Scenedesmus subspicatus)

Aquatic toxicity:

No information available.

Additional ecotoxicological information:

Do not allow to enter into surface water or drains.

12.2. Persistence and degradability

Additional information:

No information available.

12.3. Bioaccumulative potential

Accumulation / Evaluation:

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
98-54-4	4-tert-butylphenol	—
1477-55-0	m-phenylenebis(methylamine)	—
25620-58-0	trimethylhexane-1,6-diamine	—

No information available.

12.6. Other adverse effects

Do not allow to enter into surface water or drains.

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.

13.2. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0




Page 8/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

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.			
2735		2735	2735
14.2. UN proper shipping name			
POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)		POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (3,6,9-triazaundecamethylenediamine, 2-piperazin-1-ylethylamine)
14.3. Transport hazard class(es)			
 8		 8	 8
14.4. Packing group			
III		III	III
14.5. Environmental hazards			
No data available			
14.6. Special precautions for user			
Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 7 Hazard identification number (Kemler No.): 80 Classification code: C7 tunnel restriction code: E remark:	Special provisions: Limited quantity (LQ): Classification code: - remark:	Special provisions: E 1 Limited quantity (LQ): Limited quantity (LQ) 5 L EmS-No.: F-A, ; S-B remark:	Special provisions: E 1 Limited quantity (LQ): remark:
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

Technische Anleitung Luft (TA-Luft)

remark:

weight fraction in %(Number 5.2.5.I): 10 - 15

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 9/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

Water hazard class (WGK)

WGK:

3 - stark wassergefährdend

Berufsgenossenschaftliche Vorschriften (BGV)

Berufsgenossenschaftliche Vorschriften (BGV): D 25 Berufsgenossenschaftliche Informationen (BGI): 595
Berufsgenossenschaftliche Regeln (BGR): 227

15.2. Chemical Safety Assessment

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

15.3. Additional information

No data available

SAFETY DATA SHEET

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

Revision date: 22-Jun-2015

Print date: 22-Jun-2015

Version: 2.0

Page 10/11

EUROTEAM
construction chemicals



EUROREPAIR HG 50 Komponente B_superschnell

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) 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

16.3. Key literature references and sources for data

No data available

SAFETY DATA SHEET

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

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Page 11/11

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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
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.	
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	
H290	May be corrosive to metals.
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.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
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