

# SAFETY DATA SHEET

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

Revision date: 10-Jun-2015

Print date: 16-Jun-2015

Version: 3.3

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**EUROTEAM**  
construction chemicals



## EURODUR BT 60 Komponente A

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

#### 1.1. Product identifier

Trade name/designation:

**EURODUR BT 60 Komponente A**

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

Relevant identified uses:

**Sector of uses [SU]**

**SU 3:** Industrial uses: Uses of substances as such or in preparations at industrial sites

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
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure.	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

#### 2.2. Label elements

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

Hazard pictograms:



**GHS08**

Health hazard

**Signal word:** Warning

**Hazard components for labelling:**

Quartz (SiO<sub>2</sub>)

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### hazard statements for health hazards

H373 May cause damage to organs through prolonged or repeated exposure.

### hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

### Supplemental Hazard information (EU): -

#### Precautionary statements Prevention

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

P273 Avoid release to the environment.

#### Precautionary statements Response

P314 Get medical advice/attention if you feel unwell.

### 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.: 14808-60-7 EC No.: 238-878-4	Quartz (SiO <sub>2</sub> ) STOT RE 2 Warning H373	14 - 25 Wt %

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

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

#### Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing.

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

#### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

No data available

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

Treat symptomatically.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media:**

Water spray, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media:**

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO<sub>2</sub>), Nitrogen oxides (NO<sub>x</sub>), carbon black, Carbon monoxide.

**Hazardous combustion products:**

In case of fire: Gases/vapours, toxic

#### 5.3. Advice for firefighters

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

#### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

**Personal precautions:**

Provide adequate ventilation. Remove persons to safety.

**Protective equipment:**

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

##### 6.1.2. For emergency responders

**Personal protection equipment:**

Personal protection equipment: see section 8

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

**For containment:**

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

**For cleaning up:**

Solvents/Thinner

#### 6.4. Reference to other sections

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

#### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Protective measures**

**Advices on safe handling:**

Do not breathe gas/fumes/vapour/spray. Wear personal protection equipment (refer to section 8).

**Fire prevent measures:**

No special fire protection measures are necessary.

**Environmental precautions:**

Do not allow to enter into soil/subsoil.

**Advices on general occupational hygiene**

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

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### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions:

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

#### Requirements for storage rooms and vessels:

Keep/Store only in original container. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Protect against direct sunlight.

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

### 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

No data available

#### 8.2.2. Personal protection equipment

##### Eye/face protection:

(DIN EN 166) Eye glasses with side protection

##### Skin protection:

Recommended material: Butyl caoutchouc (butyl rubber). Tested protective gloves must be worn DIN EN 374. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

##### Respiratory protection:

(Combination filtering device (EN 14387)) If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Other protection measures:

Avoid: Inhalation of vapours or spray/mists. Avoid contact with skin and eyes. Wash hands before breaks and after work. Apply skin care products after work. Wear suitable protective clothing and gloves.

#### 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:** pigmented

**Odour:** characteristic

#### Safety relevant basis data

parameter		at °C	Method	remark
pH	6			
Melting point/freezing point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not determined</i>			
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>			

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parameter		at °C	Method	remark
Vapour pressure	No data available			
Vapour density	not determined			
Density	≈ 1.5 g/cm <sup>3</sup>	20 °C		
Bulk density	not determined			
Water solubility (g/L)	insoluble			
Partition coefficient: n-octanol/ water	not determined			
Dynamic viscosity	5,000 mPa*s	23 °C		
Kinematic viscosity	not determined	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Risk of explosion if heated under confinement.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

Warning! Do not use together with other products. May release dangerous gases (chlorine).

### 10.4. Conditions to avoid

Safe handling: see section 7

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Aquatic toxicity:

Toxic to aquatic life with long lasting effects.

### 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
14808-60-7	Quartz (SiO <sub>2</sub> )	—

### 12.6. Other adverse effects

Do not allow to enter into surface water or drains.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste codes/waste designations according to EWC/AVV

#### Waste treatment options

##### Appropriate disposal / Product:

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

##### Appropriate disposal / Package:

Completely emptied packages can be recycled.

#### 13.2. Additional information

No data available

### SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

#### 14.1. UN-No.

not relevant

#### 14.2. UN proper shipping name

not relevant

#### 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

Only use containers specifically approved for the substance/product.

### SECTION 15: Regulatory information

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

##### 15.1.1. EU legislation

No data available

##### 15.1.2. National regulations

 [DE] National regulations

#### Technische Anleitung Luft (TA-Luft)

##### Klasse 1:

III

##### Anteil 1:

5 %

##### Klasse 2:

III

##### Anteil 2:

1 %

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### Water hazard class (WGK)

#### WGK:

1 - schwach wassergefährdend

### Berufsgenossenschaftliche Vorschriften (BGV)

Giscode

### 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

12.5. Results of PBT and vPvB assessment

### 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
STOT-repeated exposure ( <i>STOT RE 2</i> )	H373: May cause damage to organs through prolonged or repeated exposure.	
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	
H373	May cause damage to organs through prolonged or repeated exposure.

### 16.6. Training advice

No data available

### 16.7. Additional information

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

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## EURODUR BT 60 Komponente B

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

#### 1.1. Product identifier

Trade name/designation:

**EURODUR BT 60 Komponente B**

Other means of identification:

Hexamethylen-1,6-diisocyanat Homopolymer

REACH No.:

01-2119485796-17-0001

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

Relevant identified uses:

**Sector of uses [SU]**

**SU 3:** Industrial uses: Uses of substances as such or in preparations at industrial sites

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.	
Acute toxicity (inhalative) ( <i>Acute Tox. 4</i> )	H332: Harmful if inhaled.	
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	



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### 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:**

Hexamethylen-1,6-diisocyanat Homopolymer

#### hazard statements for health hazards

H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

**Supplemental Hazard information (EU): -**

#### 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

P302 + P352.1	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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

### 3.1. Substances

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 28182-81-2 EC No.: 500-060-2 REACH No.: 01-2119485796-17-0001	Hexamethylen-1,6-diisocyanat Homopolymer STOT SE 3, Acute Tox. 4, Skin Sens. 1  H317-H332-H335	60 - 100 Wt %

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

**Following inhalation:**

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

**In case of skin contact:**

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

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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:

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

### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

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

Allergic reactions Irritation to respiratory tract

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

Foam, Extinguishing powder, Carbon dioxide (CO<sub>2</sub>), 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: Carbon dioxide, Nitrogen oxides (NO<sub>x</sub>), Carbon monoxide.

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

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

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Provide adequate ventilation. Remove persons to safety.

##### Protective equipment:

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

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### For containment:

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

### 6.4. Reference to other sections

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

### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Protective measures

##### Advices on safe handling:

Provide adequate ventilation as well as local exhaust at critical locations. Wear personal protection equipment (refer to section 8).

##### Environmental precautions:

Do not allow to enter into soil/subsoil.

##### Advices on general occupational hygiene

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

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Technical measures and storage conditions:

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

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

#### 7.3. Specific end use(s)

No data available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### 8.1.1. Occupational exposure limit values

No data available

##### 8.1.2. biological limit values

No data available

##### 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	1 mg/m <sup>3</sup>	① DNEL worker ② DNEL acute inhalative (local)
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	0.5 mg/m <sup>3</sup>	① DNEL worker ② DNEL long-term inhalative (systemic)

Substance name	PNEC Value	① PNEC type
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	0.127 mg/l	① PNEC aquatic, freshwater
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	0.0127 mg/l	① PNEC aquatic, marine water
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	1.27 mg/l	① PNEC aquatic, intermittent release
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	266,700 mg/ kg	① PNEC sediment, freshwater
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	26,670 mg/ kg	① PNEC sediment, marine water
Hexamethylen-1,6-diisocyanat Homopolymer CAS No.: 28182-81-2	38.3 mg/l	① PNEC sewage treatment plant (STP)

#### 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

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### Skin protection:

Suitable material: Butyl caoutchouc (butyl rubber), FKM (fluoro rubber), Tested protective gloves must be worn DIN EN 374. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

### Respiratory protection:

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

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: liquid

Colour: colourless

Odour: odourless

#### Safety relevant basis data

parameter		at °C	Method	remark
pH	<i>not applicable</i>			
Melting point/freezing point	-51 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	<i>not applicable</i>			
Decomposition temperature (°C):	≈ 250 °C			
Flash point	228 °C		DIN EN 22719 (10/2003: replaced by DIN EN ISO 2719)	
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	> 200 °C			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	0.00003 hPa	20 °C		
Vapour density	<i>not determined</i>			
Density	≈ 1.17 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/water	9.81			
Dynamic viscosity	≈ 3,000 mPa*s	23 °C	ISO 3219	
Kinematic viscosity	<i>not determined</i>	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Risk of explosion if heated under confinement.

### 10.2. Chemical stability

No data available

### 10.3. Possibility of hazardous reactions

Exothermic reaction with: Amines, Alcohols. Warning! Do not use together with other products. May release dangerous gases (chlorine).

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### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
28182-81-2	Hexamethylen-1,6-diisocyanat Homopolymer	<b>LD<sub>50</sub> oral:</b> >2,500 mg/kg (Rat) OECD 423 <b>LD<sub>50</sub> dermal:</b> >2,000 mg/kg (Rat) OECD 402 <b>LC<sub>50</sub> inhalative:</b> 0.39 ppmV 4 h (Rat) OECD 403

#### Acute inhalation toxicity:

Toxic if inhaled.

#### Skin corrosion/irritation:

slightly irritant

#### Eye damage/irritation:

slightly irritant

#### Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

#### Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

#### Carcinogenicity:

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

#### Reproductive toxicity:

No indications of human reproductive toxicity exist.

#### STOT-single exposure:

The classification criteria for this hazard class are not met by definition.

#### STOT-repeated exposure:

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

#### Aspiration hazard:

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

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
28182-81-2	Hexamethylen-1,6-diisocyanat Homopolymer	<b>LC<sub>50</sub>:</b> >100 mg/l 4 d (Brachydanio rerio (zebra-fish)) <b>EC<sub>50</sub>:</b> >100 mg/l 2 d (Daphnia magna (Big water flea)) <b>ErC<sub>50</sub>:</b> >1,000 mg/l 3 d (Scenedesmus subspicatus)

#### Assessment/classification:

The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

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### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	remark
28182-81-2	Hexamethylen-1,6-diisocyanat Homopolymer	No	

#### Biodegradation:

Inoculum: Activated sludge Not readily biodegradable (according to OECD criteria)

### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log K <sub>OC</sub>	Bioconcentration factor (BCF)
28182-81-2	Hexamethylen-1,6-diisocyanat Homopolymer	9.81	3.2

#### Bioconcentration factor (BCF):

3,2

#### Partition coefficient: n-octanol/water:

9.81

### 12.4. Mobility in soil

not applicable

### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
28182-81-2	Hexamethylen-1,6-diisocyanat Homopolymer	—

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

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste treatment options

##### Appropriate disposal / Product:

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

##### Appropriate disposal / Package:

Completely emptied packages can be recycled.

### 13.2. Additional information

No data available

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

### 14.1. UN-No.

not relevant

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

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### 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

Only use containers specifically approved for the substance/product.

## SECTION 15: Regulatory information

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

#### 15.1.1. EU legislation

No data available

#### 15.1.2. National regulations

 [DE] National regulations

#### Technische Anleitung Luft (TA-Luft)

##### Klasse 1:

|

##### Anteil 1:

0.15 %

##### Anteil 2:

99.85 %

#### Water hazard class (WGK)

##### WGK:

1 - schwach wassergefährdend

##### Description:

Classification according to VwVwS, Annex 4.

### 15.2. Chemical Safety Assessment

For this substance a chemical safety assessment has been carried out. HEXAMETHYLENE DIISOCYANATE

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

2.2. Label elements

### 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
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.	
STOT-single exposure ( <i>STOT SE 3</i> )	H335: May cause respiratory irritation.	

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

Hazard statements	
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

### 16.6. Training advice

No data available

### 16.7. Additional information

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