

# Safety Data Sheet

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



**Trade name :** HARDENER FOR SUPERBASE NV COMP. B  
**Revision date :** 18.08.2022  
**Print date :** 14-12-2023

**Version :** 1.0.0

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

### 1.1 Product identifier

HARDENER FOR SUPERBASE NV COMP. B

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

Floor coating

### 1.3 Details of the supplier of the safety data sheet

#### Supplier

EPI Synthetic Surface Materials B.V.

**Street :** Duikboot 7

**Postal code/City :** 3991 CK Houten

**Telephone :** +31 30 2933664

**Telefax :** +31 30 2936344

**Information contact :** (Sales Department) Sales@epigroup.nl

### 1.4 Emergency telephone number

+31 30 2936344 (during office hours 8:00 – 17:00)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Acute Tox. 4 ; H332 - Acute toxicity (inhalative) : Category 4 ; Harmful if inhaled.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

STOT SE 3 ; H335 - STOT-single exposure : Category 3 ; May cause respiratory irritation.

Resp. Sens. 2 - Sensitisation to the respiratory tract : Category 2

### 2.2 Label elements

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

##### Hazard pictograms



Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard components for labelling

HDI oligomers, isocyanurate

HEXAMETHYLENE-DI-ISOCYANATE ; CAS No. : 822-06-0

##### Hazard statements

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

##### Precautionary statements

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

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

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P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents / container in accordance with local regulations.

### Special rules for supplemental label elements for certain mixtures

EUH204 Contains isocyanates. May produce an allergic reaction.

### Additional information

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

## 2.3 Other hazards

### Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

HDI oligomers, isocyanurate ; REACH No. : 01-2119485796-17 ; EC No. : 931-274-8

Weight fraction :  $\geq 50 - < 100$  %

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335

HEXAMETHYLENE-DI-ISOCYANATE ; EC No. : 212-485-8 ; CAS No. : 822-06-0

Weight fraction :  $\geq 0,05 - < 0,5$  %

Classification 1272/2008 [CLP] : Acute Tox. 1 ; H330 Resp. Sens. 1 ; H334 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 STOT SE 3 ; H335 EUH204

#### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. No direct artificial respiration to be given by first aider. Call a physician in any case!

#### In case of skin contact

Wash immediately with: Water and soap Change contaminated, saturated clothing. Wash contaminated clothing prior to re-use.

#### After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### Following ingestion

Do NOT induce vomiting. If major quantity of dust is swallowed or inhaled, immediately drink: Water

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

The following symptoms may occur: Headache Dizziness Nausea Diminished responsiveness Repeated exposure may cause skin dryness or cracking.

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

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None

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

Reacts with water.

##### Suitable extinguishing media

Water mist 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

##### Hazardous combustion products

Do not breathe gas/fumes/vapour/spray. Carbon monoxide Carbon dioxide (CO<sub>2</sub>)

#### 5.3 Advice for firefighters

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

##### For non-emergency personnel

###### Protective equipment

Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### 6.2 Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Make sure spills can be contained, e.g. in sump pallets or kerbed areas.

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

##### For containment

Collect in closed and suitable containers for disposal. Treat the recovered material as prescribed in the section on waste disposal.

##### For cleaning up

Suitable material for taking up: Sand Absorbing material, organic

#### 6.4 Reference to other sections

See protective measures under point 7 and 8.

### SECTION 7: Handling and storage



#### 7.1 Precautions for safe handling

##### Protective measures

###### Measures to prevent aerosol and dust generation

During filling, metering and sampling should be used if possible: Closed devices

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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. Keep/Store only in original container. Suitable container/equipment material: Stainless steel Polyethylene (PE) Unsuitable container/equipment material: Butyl caoutchouc (butyl rubber)

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Appropriate engineering controls

Use only in well-ventilated areas.

#### Personal protection equipment



#### Eye/face protection

Eye glasses with side protection EN 166

#### Skin protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. DIN-/EN-Norms EN ISO 374 EN 420 Suitable gloves type NBR (Nitrile rubber) PVA (Polyvinyl alcohol) PVC (polyvinyl chloride)

#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Suitable respiratory protection apparatus Full-/half-/quarter-face masks (EN 136/140) Filtering device (full mask or mouthpiece) with filter: A

#### General information

Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

#### Environmental exposure controls

See section 7. No additional measures necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Odour** odourless

**Colour** colourless

#### Safety characteristics

<b>Melting point/freezing point :</b>	approx.	-37	°C
<b>Flash point :</b>	approx.	158	°C
<b>Auto-ignition temperature :</b>	approx.	445	°C
<b>Lower explosion limit :</b>			Vol-%

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<b>Upper explosion limit :</b>			Vol-%
<b>Vapour pressure :</b>	( 20 °C )	<	0 hPa
<b>Density :</b>	( 20 °C )	approx.	1,17 g/cm <sup>3</sup>
<b>Viscosity :</b>	( 23 °C )	approx.	1200 mPa*s
<b>Boiling point</b> ( HEXAMETHYLENE-DI-ISOCYANATE )	( 1000 hPa )		255 °C
<b>Physical state :</b>	Liquid		
<b>Freezing point :</b>	No data available		
<b>Initial boiling point and boiling range :</b>	not applicable		
<b>Decomposition temperature :</b>	No data available		
<b>Evaporation rate :</b>	No data available		
<b>Water solubility :</b>	practically insoluble		
<b>pH :</b>	No data available		
<b>log P O/W :</b>	No data available		
<b>Viscosity :</b>	No data available		
<b>Odour threshold</b>	No data available		
<b>Relative vapour density :</b>	No data available		

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Isocyanate containing product. Reacts with water.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

Carbon dioxide is generated with water or moisture. Exothermic reaction with: Amines, Alcohols.

### 10.4 Conditions to avoid

No information available.

### 10.5 Incompatible materials

No information available.

### 10.6 Hazardous decomposition products

No information available.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Corrosion

##### Skin corrosion/irritation

irritant.

##### Serious eye damage/eye irritation

irritant.

##### Irritation to respiratory tract

No data available

#### Respiratory or skin sensitisation

Respiratory or skin sensitisation

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### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

#### Carcinogenicity

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to CLP.

#### Germ cell mutagenicity

No indications of human germ cell mutagenicity exist.

#### Reproductive toxicity

The ingredients in this preparation do not meet the criteria for classification as CMR category 1 or 2 according to CLP.

### STOT-repeated exposure

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc.

### Aspiration hazard

Harmful: may cause lung damage if swallowed.

### 11.2 Information on other hazards

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

Harmless to aquatic organisms up to the tested concentration.

### 12.2 Persistence and degradability

Biodegradable.

### 12.3 Bioaccumulative potential

No indication of bioaccumulation potential.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Delivery to an approved waste disposal company. Contaminated packages must be completely emptied and can be re-used following proper cleaning. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

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### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

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

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3

### 15.2 Chemical Safety Assessment

Information from chemical safety assessments for substances in this preparation have been integrated into this safety data sheet.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

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

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

### 16.6 Training advice

None

### 16.7 Additional information

None

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

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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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