

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

**1.1. Product identifier**

Product form : Mixture  
 Product name : PA-CLEAR-FILLER-B

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

**1.2.1. Relevant identified uses**

No additional information available

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

Sidec  
 Industrieweg 10  
 2490 Balen - BELGIE  
 T +32 14 81 50 01  
[safety@sidec.be](mailto:safety@sidec.be) - [www.sidec.eu](http://www.sidec.eu)

**1.4. Emergency telephone number**

Country	Organisation/Company	Address	Emergency number
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn 1 1120 Bruxelles/Brussel	+32 70 245 245

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

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

Acute Tox. 4 (Inhalation) H332  
 Skin Irrit. 2 H315  
 Skin Sens. 1 H317  
 STOT SE 3 H335

Full text of H statements : see section 16

**2.2. Label elements**

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H332 - Harmful if inhaled.  
 H335 - May cause respiratory irritation.

Precautionary statements (CLP) :

P280 - Wear protective clothing/eye protection/face protection.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P260 - Do not breathe vapours, gas, mist, fume, spray, dust.  
 P272 - Contaminated work clothing should not be allowed out of the workplace.  
 P264 - Wash hands, forearms and face thoroughly after handling.  
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P362+P364 - Take off contaminated clothing and wash it before reuse.

EUH-statements :

EUH208 - Contains Hexamethylene diisocyanate, oligomers(28182-81-2), Hexamethylene-1,6-diisocyanate(822-06-0), Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer. May produce an allergic reaction.  
 EUH204 - Contains isocyanates. May produce an allergic reaction.

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### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer	(EC-No.) 939-549-4 (REACH-no) 01-2119980939-13	75–90	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1B, H317 STOT SE 3, H335
Hexamethylene diisocyanate, oligomers	(CAS-No.) 28182-81-2 (EC-No.) 931-274-8 (REACH-no) 01-2119485796-17	10–25	Acute Tox. 4 (Inhalation), H332 Skin Sens. 1, H317 STOT SE 3, H335
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	0,1 – 0,3	Acute Tox. 4 (Oral), H302 Acute Tox. 1 (Inhalation), H330 Skin Corr. 1, H314 Resp. Sens. 1, H334 Skin Sens. 1, H317

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits
Hexamethylene-1,6-diisocyanate	(CAS-No.) 822-06-0 (EC-No.) 212-485-8 (EC Index-No.) 615-011-00-1 (REACH-no) 01-2119457571-37	( 0,5 ≤C < 100) Skin Sens. 1, H317 ( 0,5 ≤C < 100) Resp. Sens. 1, H334

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Remove contaminated clothes.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Gently wash with plenty of soap and water.
First-aid measures after eye contact	: Consult an eye specialist. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.
First-aid measures after ingestion	: Rinse mouth. Drink plenty of water. Immediately call a POISON CENTER or doctor.

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

No additional information available

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

In all cases of doubt, or when symptoms persist, seek medical attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : extinguishing powder. Foam.

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

Hazardous decomposition products in case of fire : Toxic vapours are released.

### 5.3. Advice for firefighters

Protection during firefighting : Positive pressure self-contained breathing apparatus (SCBA).  
Other information : Provision to contain effluent from fire extinguishing.

## SECTION 6: Accidental release measures

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

General measures : Wear suitable protective clothing.

#### 6.1.1. For non-emergency personnel

No additional information available

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### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Prevent soil and water pollution.

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

For containment : Large amounts: Pump up the product into a suitably labelled spare container.  
Methods for cleaning up : Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel).

### 6.4. Reference to other sections

Concerning disposal elimination after cleaning, see section 13. Concerning personal protective equipment to use, see section 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Provide earthing.

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

Incompatible products : Paper and cardboard.  
Storage area : Store in a dry, cool area.  
Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hexamethylene-1,6-diisocyanate (822-06-0)		
Belgium	Limit value (mg/m <sup>3</sup> )	0,034 mg/m <sup>3</sup> (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
Belgium	Limit value (ppm)	0,005 ppm (Hexamethylene diisocyanate; Belgium; Time weighted average 8h)
France	VME (mg/m <sup>3</sup> )	0,075 mg/m <sup>3</sup> (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
France	VME (ppm)	0,01 ppm (Diisocyanate d'hexaméthylène; Frankrijk; Tijdsgewogen gemiddelde 8u; VL: Valeur non réglementaire indicative)
France	VLE (mg/m <sup>3</sup> )	0,15 mg/m <sup>3</sup> Diisocyanate d'hexaméthylène; Frankrijk; Kortetijdswaarde; VL: Valeur non réglementaire indicative; (5min)
France	VLE (ppm)	0,02 ppm Diisocyanate d'hexaméthylène; Frankrijk; Kortetijdswaarde; VL: Valeur non réglementaire indicative; (5min)
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	0,02 mg/m <sup>3</sup> Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Tijdsgewogen gemiddelde 8u; Workplace exposure limit (EH40/2005)
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	0,07 mg/m <sup>3</sup> Isocyanates, all (as -NCO) Except methyl isocyanate; Verenigd Koninkrijk; Kortetijdswaarde; Workplace exposure limit (EH40/2005)
USA - ACGIH	ACGIH TWA (ppm)	0,005 ppm (Hexamethylene diisocyanate; USA; Time Weighted Average 8h; TLV - Adopted Value)

### 8.2. Exposure controls

Appropriate engineering controls : Avoid contact with skin and eyes. Do not breathe dust. Provide adequate ventilation to minimize dust concentrations.  
Hand protection : Wear suitable gloves tested to EN374. (>=30 min). Breakthrough time : refer to the recommendations of the supplier. Recommended materials. Butyl rubber gloves. (>= 7 mm)  
Eye protection : Protective goggles. EN 166  
Skin and body protection : Wear suitable protective clothing. like: Chemical resistant apron. Boots  
Respiratory protection : Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

## SECTION 9: Physical and chemical properties

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

Physical state : Liquid

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Colour	: colourless to slightly yellow.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °C
Auto-ignition temperature	: > 200
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: 0,0001 mbar
Relative vapour density at 20 °C	: No data available
Relative density	: 1,1
Density	: 1,1 kg/l
Solubility	: Product is not hygroscopic.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0,7 Pa·s
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

To our knowledge, the product does not present any particular risk, under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

water, amines and alcohol's.

### 10.4. Conditions to avoid

Water, humidity.

### 10.5. Incompatible materials

water, amines and alcohol's.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Harmful if inhaled.

PA-CLEAR-FILLER-B	
LD50 oral rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0,1 – 0,5 mg/l/4h
ATE CLP (vapours)	0,1 mg/l/4h
ATE CLP (dust,mist)	0,1 mg/l/4h
Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer	
LC50 inhalation rat (mg/l)	0,264 mg/l/4h
Hexamethylene-1,6-diisocyanate (822-06-0)	
LD50 oral rat	745 mg/kg
LD50 dermal rat	> 7000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24h, Rat, Male / Female, Experimental Value, Dermal, 14 day (s))
LD50 dermal rabbit	599 mg/kg

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<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>	
LC50 inhalation rat (mg/l)	0,31 mg/l/4h
LC50 inhalation rat (ppm)	45 ppm/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

<b>PA-CLEAR-FILLER-B</b>	
Viscosity, kinematic	636,364 mm <sup>2</sup> /s

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>PA-CLEAR-FILLER-B</b>	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	> 100 mg/l
EC50 72h algae (1)	> 100 mg/l

<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>	
LC50 fish 1	22 mg/l (LC0; Other; 96 h; Brachydanio rerio; Static system)
EC50 Daphnia 1	< 0,33 mg/l (EC0; Other; 24h; Daphnia magna; Static system)
LC50 fish 2	31 mg/l (LC100; Other; 96 h; Brachydanio rerio; Static system)

### 12.2. Persistence and degradability

<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>	
Persistence and degradability	Not readily biodegradable.

### 12.3. Bioaccumulative potential

<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>	
BCF fish 1	59,6 (BCFWIN, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1,08 (QSAR)
Bioaccumulative potential	Low bioaccumulation potential.

### 12.4. Mobility in soil

<b>Hexamethylene-1,6-diisocyanate (822-06-0)</b>	
Partition coefficient n-octanol/water (Log Koc)	2,78 – 3,68 (log Koc:calculated value)
Ecology - soil	little. Mobile.

### 12.5. Results of PBT and vPvB assessment

Component	
Hexamethylene-1,6-diisocyanate (822-06-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste)	: Ensure all national/local regulations are observed.
Waste treatment methods	: This material and its container must be disposed of in a safe way.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

Not regulated for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR)	: Not applicable
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Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable

### 14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

#### - Air transport

No data available

#### - Inland waterway transport

Carriage prohibited (ADN)	: No
Not subject to ADN	: No

#### - Rail transport

Carriage prohibited (RID) : No

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

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions  
Contains no substance on the REACH candidate list  
Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

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### Germany

Regulatory reference : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed  
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Persons suffering from asthma or eczema and persons who have chronic lung diseases, skin or respiratory allergies to isocyanates should not work with the material  
The requirements from the Danish Working Environment Authorities regarding work with epoxy resins and isocyanates must be observed during use and disposal

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Resp. Sens. 1	Respiratory sensitisation, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1B	Skin sensitisation, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
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.
EUH204	Contains isocyanates. May produce an allergic reaction.
EUH208	Contains Hexamethylene diisocyanate, oligomers(28182-81-2), Hexamethylene-1,6-diisocyanate(822-06-0), Reaction mass of 1-Hexanol, 2-ethyl-, reaction products with 1,6-diisocyanatohexane and Hexane, 1,6-diisocyanato-, homopolymer. May produce an allergic reaction.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*