

# Safety Data Sheet



Revision Date 25-Sep-2017  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name MONDÉCO RAPIDE SEALER PART B

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

Recommended Use Two-pack performance coatings

Uses advised against Not suitable for use in homemaker (DIY) applications

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

Supplier Hermeta GmbH  
Kanalstrasse 11  
D-12357 Berlin  
Germany  
Tel : + 49 (0) 30 661 70 72

This telephone number is available during office hours only

For further information, please contact: [info@hermeta.de](mailto:info@hermeta.de)

### 1.4 Emergency telephone number

Emergency telephone number Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

Europe	112
Austria	+43 1 406 43 43
Belgium	Poison center (BE): +32 70 245 245
Denmark	Poison Control Hotline (DK): +45 82 12 12 12
Finland	Poison Information Centre (FI):+358 9 471 977
France	ORFILA (FR): + 01 45 42 59 59
Germany	Poison Center Berlin (DE): +49 030 30686 790 Poison Center Nord: +49 551 19240 (24h available English / German)
Ireland	National Poisons Information Centre (IE): +353 1 8379964 / + 353 1 8092566
Iceland	+354 543 2222
Italy	Poison Centre, Milan (IT): +39 02 6610 1029
Luxembourg	112
Netherlands	National Poisons Information Centre (NL): +31 30 274 88 88 (NB: this service is only available to health professionals)
Norway	Poisons Information (NO):+ 47 22 591300
Portugal	Poison Information Centre (PT): +351 21 330 3284
Spain	Poison Information Service (ES): +34 91 562 04 20
Sweden	Poisons Information Center (SV):+46 8 33 12 31
Switzerland	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom	111

## 2. Hazards identification

**2.1 Classification of the substance or mixture**

REGULATION (EC) No 1272/2008

<b>Acute toxicity - Inhalation (Gases)</b>	Category 4 - (H332)
<b>Acute toxicity - Inhalation (Vapours)</b>	Category 4 - (H332)
<b>Acute toxicity - Inhalation (Dusts/Mists)</b>	Category 4 - (H332)
<b>Skin sensitisation</b>	Category 1 - (H317)
<b>Specific target organ toxicity (single exposure)</b>	Category 3 - (H335)

**2.2 Label elements****Signal Word**

Warning

**Hazard Statements**

H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

EUH204 - Contains isocyanates. May produce an allergic reaction

**Precautionary Statements - EU (§28, 1272/2008)**

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

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

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention

Contains HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER

**2.3. Other Hazards**

No information available

**3. Composition/information on ingredients****3.1 Substances**

Substance

**3.2 Mixtures**

Chemical Name	EC-No	CAS No.	Weight-%	GHS Classification	REACH Registration Number
HEXAMETHYLENE-1,6-DIIS	-	28182-81-2	75 - 100	Acute Tox. 4 (H332)	01-2119488934-20-XX

MONDÉCO RAPIDE SEALER PART B

OCYANATE HOMOPOLYMER				Skin Sens. 1 (H317) STOT SE3 (H335)	XX
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Contains:

Chemical Name	EC-No	CAS No.	Concentration Range	GHS Classification	REACH Registration Number
HEXAMETHYLENE DIISOCYANATE	212-485-8	822-06-0	< 0.30	Acute Tox 1 Inhalative (H330) Acute Tox 4 Oral (H302) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) Skin Sens. 1 (H317) STOT SE 3 (H335)	01-2119457571-37-XXX X

**For the full text of the H-Statements mentioned in this Section, see Section 16**

## 4. First Aid Measures

### 4.1 Description of first aid measures

<b>General advice</b>	Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice. Remove contaminated clothing and shoes.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Consult a physician after significant exposure. Call a doctor immediately if allergic signs, particularly in the respiratory tract, are observed.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Use a mild soap if available. Call a physician if irritation develops or persists.
<b>Eye contact</b>	Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Get medical attention immediately.

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

<b>Symptoms</b>	Isocyanate vapors or mist at concentrations above the TLV or PEL can irritate (burning sensation) the mucous membranes of the respiratory tract (nose, throat, lungs) causing runny nose, sore throat, coughing, chest discomfort, shortness of breath and reduced lung function (breathing obstruction). Persons with a preexisting, nonspecific bronchial hyperreactivity can respond to concentrations below the TLV or PEL may lead to bronchitis, bronchial spasm and pulmonary edema (fluid in lungs). Chemical or hypersensitivity pneumonitis, with flu-like symptoms (e.g. fever, chills), has also been reported. These symptoms can be delayed up to several hours after exposure. These effects are usually reversible. May cause skin and eye irritation.
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### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	Treat symptomatically.
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## 5. Fire-Fighting Measures

### 5.1 Extinguishing media

**Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

**Extinguishing media which shall not be used for safety reasons**

High volume water jet.

**5.2 Special hazards arising from the substance or mixture**

Hazardous decomposition products formed under fire conditions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> in closed containers causes overpressure and produces a risk of bursting.

**Hazardous Combustion Products**

Carbon monoxide Carbon dioxide (CO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>) Fire will produce dense black smoke Hydrogen cyanide Isocyanate vapors Isocyanic Acid

**5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Cool closed containers exposed to fire with water spray. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

**6. Accidental Release Measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

**Advice for emergency responders**

For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not allow material to contaminate ground water system.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up**

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Keep the container open. Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

**6.4 Reference to other sections**

See section 8 for more information.

**7. Handling and storage**

**7.1 Precautions for safe handling**

**Advice on safe handling**

Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

**Hygiene measures**

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions**

Keep locked up or in an area accessible only to qualified or authorised persons. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in original container. Protect from frost, heat and sunlight.

### 7.3 Specific end uses

#### Specific use(s)

Refer to technical data sheet.

#### Exposure scenario

No information available.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure Limit Values

Chemical Name	European Union	Austria	Belgium	Denmark	Finland	France
HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER 28182-81-2						STEL: 1 mg/m <sup>3</sup>

TWA: time weighted average  
 STEL: Short term exposure limit  
 LLV: Exposure Limit Values  
 STV: Short Term Value

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2 Exposure controls

**Engineering Measures** Use only in well-ventilated areas.

#### Personal protective equipment

##### Eye/Face Protection

Tightly fitting safety goggles.

##### Hand Protection

Rubber gloves. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

##### Skin and body protection

Long sleeved clothing.

##### Respiratory protection

Respirator with filter for organic vapour. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. Preferably a compressed airline breathing apparatus. Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

**Hygiene measures** When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday. Remove and wash contaminated clothing before re-use.

**Environmental exposure controls** Prevent product from entering drains. Do not allow material to contaminate ground water system.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Colour</b>	Colourless
<b>Odour</b>	Mild
<b>Odour Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
<b>pH</b>		No information available
<b>Melting/freezing point</b>	no data available	No information available
<b>Boiling point/boiling range</b>	285 °C / 545 °F	Decomposition
<b>Flash Point</b>	203 °C / 397 °F	
<b>Evaporation rate</b>	Not Applicable	No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapour pressure</b>	< 0,00001 hPa bij 20°C	
<b>Vapour density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>	Insoluble in water @ 15°C	
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>	1000 mPa.s (20 °C)	
<b>Viscosity, dynamic</b>	ca 958 mPa.s @ 20°C	
<b>Explosive properties</b>		No information available
<b>Oxidising Properties</b>		No information available

### 9.2 Other information

<b>Volatile organic compounds (VOC) content</b>	No information available
<b>Density</b>	ca 1.15 g/cm <sup>3</sup> (20°C)

## 10. Stability and Reactivity

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> in closed containers causes overpressure and produces a risk of bursting.

Amines and alcohols cause exothermic reactions. Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>. Evolution of CO<sub>2</sub> in closed containers causes overpressure and produces a risk of bursting.

### 10.4 Conditions to Avoid

Avoid moisture. Water in the container will lead to increased pressure and risk of explosion.

### 10.5 Incompatible Materials

Amines, Alcohols, Water, Container can be pressurized by carbon dioxide due to reaction with humid air and/or water

### 10.6 Hazardous Decomposition Products

In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide. Nitrogen oxides (NO<sub>x</sub>). Hydrogen cyanide (hydrocyanic acid).

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### **Acute toxicity**

#### **Product Information**

Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. .

<b>Inhalation</b>	Harmful if inhaled. May cause respiratory irritation.
<b>Eye contact</b>	There are no data available for this product.
<b>Skin contact</b>	May cause an allergic skin reaction.
<b>Ingestion</b>	There are no data available for this product.

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (inhalation-gas)</b>	4,500.00 ppm
<b>ATEmix (inhalation-dust/mist)</b>	1.50 mg/l
<b>ATEmix (inhalation-vapour)</b>	11.00 mg/l

#### **Unknown Acute Toxicity**

- < 1 % of the mixture consists of ingredient(s) of unknown toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
- < 1 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

**Component Information**

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitisation</b>	May cause allergic skin reaction. May cause respiratory irritation.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation.
<b>Specific target organ toxicity - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	Avoid repeated exposure.
<b>Aspiration hazard</b>	No information available.

**12. Ecological information**

**12.1 Toxicity**

< 1 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

No data are available on the product itself

**12.2 Persistence and degradability**

Not readily biodegradable.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

**Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects.**

Discharge into the environment must be avoided.

**13. Disposal Considerations**

**13.1 Waste treatment methods**

<b>Waste from residues / unused products</b>	If recycling is not practicable, dispose of in compliance with local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.
<b>Other information</b>	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

**14. Transport Information**

**ADR**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**IMDG**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Marine pollutant</b>	Not applicable
<b>14.6 Special Provisions</b>	None
<b>14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code</b>	No information available

**IATA**

<b>14.1 UN</b>	Not regulated
<b>14.2 Proper shipping name</b>	Not regulated
<b>14.3 Hazard class</b>	Not regulated
<b>14.4 Packing Group</b>	Not regulated
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	None

**15. Regulatory information**

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

**National regulatory information**

**Germany WGK Classification**      WGK = 1 (self classification)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorisations and/or restrictions on use:**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)  
 This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**International Inventories**

<b>TSCA</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>DSL</b>	Complies
<b>PICCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>AICS</b>	Complies
<b>KECL</b>	Complies
<b>NZIoC</b>	Complies

**Legend**

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**NZIoC** - New Zealand Inventory of Chemicals

**15.2 Chemical Safety Assessment**

No information available

**16. Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of H-Statements referred to under section 3**

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

**Prepared By** RPM Belgium  
 Regulatory Affairs/Product Safety

**Revision Date** 25-Sep-2017

**Revision Note** Not Applicable.

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**