

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

Print date: 17 Apr 2023

Version: 1.2



HYDROPOX FLEX BB HOTBOND

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

1.1. Product identifier

Trade name/designation:

HYDROPOX FLEX BB HOTBOND

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Bausysteme GmbH

Nordportbogen 8

22848 Norderstedt

Germany

Telephone: +49 40 52 90 66 78-0

Telefax: +49 40 52 90 66 78-78

E-mail: info@tph-bausysteme.com

Website: www.tph-bausysteme.com

E-mail (competent person): sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

24h: International access phone number: +1-813-248-0585 /// United States, Canada, Puerto Rico, U.S. Virgin Islands: 1-800-255-3924 (Contract No. MIS7249185) /// Australia: 1-300-954-583 /// Brazil: 0-800-591-6042 /// China: 400-120-0751 /// India: 000-800-100-4086 /// Mexico: 800-099-0731

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

Hazard statements: none

Supplemental hazard information: none

Precautionary statements: none

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

Polymer based on: polyurethane, stabilizers, additives

SAFETY DATA SHEET

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Revision date: 2 Nov 2022

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HYDROPOX FLEX BB HOTBOND

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 but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

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

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

May cause respiratory irritation. No known symptoms to date.

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:

Co-ordinate fire-fighting measures to the fire surroundings. Foam Carbon dioxide (CO₂)
Extinguishing powder

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

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:

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

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

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HYDROPOX FLEX BB HOTBOND

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:

Collect spillage. Measures to prevent aerosol and dust generation Wet clean or vacuum up solids.

For cleaning up:

Water (with cleaning agent)

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:

Wear personal protection equipment (refer to section 8).

Measures to prevent aerosol and dust generation:

Dust should be exhausted directly at the point of origin.

Advices on general occupational hygiene

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

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.

Storage class (TRGS 510, Germany): 11 - Combustible solids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Conditions to avoid: UV-radiation/sunlight Heat Frost

7.3. Specific end use(s)

No data available

SAFETY DATA SHEET

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Revision date: 2 Nov 2022

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HYDROPOX FLEX BB HOTBOND

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
BE	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
CZ from 1 Mar 2020	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.01 ppm (0.07 mg/m ³) ⑤ I, S
PL from 16 Jun 2009	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.04 mg/m ³ ② 0.08 mg/m ³ ⑤ (može przenikać przez skórę do organizmu) skóra
NO from 1 Jul 2021	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.01 ppm ⑤ A4
IE from 5 Dec 2011	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm ⑤ Sens
MY from 1 Jan 2000	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
LT from 11 Jul 2021	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.03 mg/m ³) ③ 0.01 ppm (0.07 mg/m ³) ⑤ Nustatytas 5 min. poveikio trukmes NRD. Tas pats RD, išreikštas ppm, taikomas izocianatams, kuriu RD nenustatytas. Ši nuostata taikoma ir dulkiu ar lašeliu (aeroliu) pavidalo izocianatams, iskaitant prepolymerizuotus izocianatus (aduktus). Taciau skirtingu medziagu RD, išreikšti mg/m ³ , yra skirtingi. ŪJ
SE from 20 Aug 2018	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.002 ppm (0.02 mg/m ³) ② 0.005 ppm (0.03 mg/m ³)
NPEL (SK) from 10 Feb 2018	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ⑤ S
BG	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.1 mg/m ³
DK	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.01 ppm (0.07 mg/m ³)
RO	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.007 ppm (0.05 mg/m ³) ② 0.14 ppm (1 mg/m ³)
EE from 17 Jan 2020	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.03 mg/m ³) ② 0.01 ppm (0.07 mg/m ³) ⑤ (Lühiajalise kokkupuute piinorm, arvatatud 5-min kokkupuuteajale.) S

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

Print date: 17 Apr 2023

Version: 1.2



HYDROPOX FLEX BB HOTBOND

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Alberta (CA)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.03 mg/m ³)
LV	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.05 mg/m ³
BC (CA)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm ③ 0.01 ppm ⑤ S(R)
ES	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ⑤ Sen
Ontario (CA) from 30 Mar 2022	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm ③ 0.02 ppm ⑤ designated Substance Reg.490/ 09
JP	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
VLA (FR) from 3 May 2021	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.01 ppm (0.075 mg/m ³) ② 0.02 ppm (0.15 mg/m ³)
SI	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.005 ppm (0.035 mg/m ³) ⑤ BAT
TW from 1 Jul 2018	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
KR	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
IS	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.03 mg/m ³) ② 0.01 ppm (0.07 mg/m ³) ⑤ O
CN from 1 Jan 2007	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.03 mg/m ³
HU	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.035 mg/m ³ ② 0.035 mg/m ³ ⑤ i, sz, T
GR from 1 Oct 2016	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.01 ppm (0.075 mg/m ³) ② 0.02 ppm (0.15 mg/m ³)
MX	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm
RU	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	③ 0.05 mg/m ³ ⑤ A

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

Print date: 17 Apr 2023

Version: 1.2



HYDROPOX FLEX BB HOTBOND

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
MAK (AT)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.005 ppm (0.035 mg/m ³) ⑤ (Momentanwert) Sah
NIOSH (US)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ③ 0.02 ppm (0.14 mg/m ³)
ACGIH (US)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
TRGS 900 (DE)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.035 mg/m ³) ② 0.005 ppm (0.035 mg/m ³) ③ 0.01 ppm (0.07 mg/m ³) ⑤ (Aerosol und Dampf) DFG, 11, 12, Sa
Québec (CA)	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	① 0.005 ppm (0.034 mg/m ³)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m ³ ⑤ Mass fraction (wt %): 0

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① Parameter ② Test material ③ Time of sampling: ④ Remark
ACGIH-BEI (US) from 1 Jan 2014	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	15 µg/g creatinine	① 1,6-Hexamethylenediamine, Following hydrolysis: ② urine ③ end of exposure or end of shift
BAT (SI) from 4 Dec 2018	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	15 µg/g kreatinina	① Hexamethylendiamin, po hidrolizi: ② urin ③ ob koncu delovne izmene
TRGS 903 (DE) from 1 May 2013	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	15 µg/g Creatinin	① Hexamethylendiamin, Nach Hydrolyse: ② Urin ③ Expositionsende bzw. Schichtende
BAT (CH) from 1 Jan 2022	hexamethylene diisocyanate CAS No.: 822-06-0 EC No.: 212-485-8	15 µg/g Creatinin	① Hexamethylendiamin, Nach Hydrolyse: 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

SAFETY DATA SHEET

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HYDROPOX FLEX BB HOTBOND

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Particle filter device (EN 143)

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

The named substances are only present in traces in the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: solid

Colour: opaque

Odour: odourless

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not determined</i>		
Melting point	<i>not determined</i>		
Freezing point	<i>not determined</i>		
Initial boiling point and boiling range	<i>not determined</i>		
Decomposition temperature	<i>not determined</i>		
Flash point	> 220 °C		
Evaporation rate	<i>not determined</i>		
Auto-ignition temperature	> 400 °C		
Upper/lower flammability or explosive limits	<i>not determined</i>		
Vapour pressure	<i>not determined</i>		
Vapour density	<i>not determined</i>		
Density	1.2 g/cm ³	20 °C	
Relative density	<i>not determined</i>		
Bulk density	400 - 600 kg/m ³	20 °C	
Water solubility	practically insoluble		
Partition coefficient: n-octanol/water	<i>not determined</i>		
Dynamic viscosity	<i>not determined</i>		
Kinematic viscosity	<i>not determined</i>		
softening point	> 120 °C		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

not relevant The product itself does not burn.

SAFETY DATA SHEET

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

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HYDROPOX FLEX BB HOTBOND

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

SECTION 11: Toxicological information

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

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

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

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

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

Germ cell mutagenicity:

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

Carcinogenicity:

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

Reproductive toxicity:

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

STOT-single exposure:

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

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

SAFETY DATA SHEET

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

Revision date: 2 Nov 2022

Print date: 17 Apr 2023

Version: 1.2



HYDROPOX FLEX BB HOTBOND

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

07 02 13	Waste plastic
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Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

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: 2 Nov 2022

Print date: 17 Apr 2023

Version: 1.2



HYDROPOX FLEX BB HOTBOND

15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

nwg - nicht wassergefährdend

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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) No 1272/2008 [CLP]

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

No data available

16.6. Training advice

No data available

16.7. Additional information

No data available