

# SAFETY DATA SHEET

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

**Revision date:** 8 Dec 2020

**Print date:** 5 Jan 2021

**Version:** 1



## PUR-O-STOP HF-L B-Komponente

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

#### 1.1. Product identifier

**Trade name/designation:**

**PUR-O-STOP HF-L B-Komponente**

**UFI:**

1AR1-89PH-YA76-Q898

#### 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: GIZ-Nord +49 551 / 19240

### 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
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	Calculation method.
Respiratory or skin sensitisation (Resp. Sens. 1)	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Calculation method.
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	Calculation method.
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	Calculation method.
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	Calculation method.

#### Additional information:

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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**TPH.**  
waterproofing systems

## PUR-O-STOP HF-L B-Komponente

### 2.2. Label elements

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

Hazard pictograms:



**GHS07**

Exclamation mark



**GHS08**

Health hazard

Signal word: Danger

Hazard components for labelling:

Diphenylmethandiisocyanat, Isomere und Homologe

#### hazard statements for health hazards

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

#### Supplemental hazard information

EUH208	Contains Diphenylmethandiisocyanat, Isomere und Homologe, 4,4'-methylenediphenyl diisocyanate. May produce an allergic reaction.
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#### 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	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/- 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]	Concen- tration
CAS No.: 9016-87-9 EC No.: 618-498-9	Diphenylmethandiisocyanat, Isomere und Homologe Acute Tox. 4, Carc. 2, Eye Irrit. 2, Resp. Sens. 1, STOT RE 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1 ◆ ◆ ◆ ◆ Warning H315-H317-H319-H332-H334-H335-H351-H373	60 - 100 weight-%

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

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### 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. Warning First aider: Pay attention to self-protection!

##### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. Get medical advice/attention. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Get immediate 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. If skin irritation or rash occurs: Get medical advice/attention. Take off immediately all contaminated clothing.

##### 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 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. First aider: Pay attention to self-protection!

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

Skin corrosion/irritation Allergic reactions Serious eye damage/eye irritation Asthmatic complaints Respiratory complaints 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 (CO2)

##### Unsuitable extinguishing media:

Water

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

##### 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.

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**Revision date:** 8 Dec 2020

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**Version:** 1



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### SECTION 6: Accidental release measures

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

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

###### Personal precautions:

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 (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.

### 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).

###### 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.

**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

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### 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	<b>① Long-term occupational exposure limit value</b> <b>② short-term occupational exposure limit value</b> <b>③ Instantaneous value</b> <b>④ Monitoring and observation processes</b> <b>⑤ Remark</b>
Québec (CA)	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	① 0.005 ppm (0.051 mg/m <sup>3</sup> ) ⑤ (4,4'-Methylenediphenyl diisocyanate - CAS 101-68-8)
NIOSH (US)	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	① 0.005 ppm (0.05 mg/m <sup>3</sup> ) ③ 0.02 ppm (0.2 mg/m <sup>3</sup> ) ⑤ (4,4'-Methylenediphenyl diisocyanate - CAS 101-68-8)
Alberta (CA)	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	① 0.005 ppm (0.07 mg/m <sup>3</sup> )
SI	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	① 0.05 mg/m <sup>3</sup> ② 0.05 mg/m <sup>3</sup> ⑤ (als MDI berechnet), (frakcija ki jo je mogoče vdihniti), računati je treba z možnostjo prodiranja skozi kožo
TRGS 900 (DE)	Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	① 0.05 mg/m <sup>3</sup> ② 0.05 mg/m <sup>3</sup> ③ 0.1 mg/m <sup>3</sup> ⑤ (als MDI berechnet), (einatembare Fraktion), kann über die Haut aufgenommen werden

##### 8.1.2. Biological limit values

No data available

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

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:

Eye glasses with side protection DIN EN 166

###### Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min  
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:

Filtering device with filter or ventilator filtering device of type: A

##### 8.2.3. Environmental exposure controls

No data available

# SAFETY DATA SHEET

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

**Revision date:** 8 Dec 2020

**Print date:** 5 Jan 2021

**Version:** 1



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### SECTION 9: Physical and chemical properties

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

##### Appearance

**Physical state:** Liquid

**Colour:** dark brown

**Odour:** earthy

##### Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not determined</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	245 °C			
Decomposition temperature	<i>not determined</i>			
Flash point	230 °C		CC	
Evaporation rate	<i>not determined</i>			
Auto-ignition temperature	<i>not determined</i>			
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.23 g/cm³	25 °C	EN ISO 2811-1	
Bulk density	<i>not determined</i>			
Water solubility	<i>not determined</i>			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	240 mPa*s	23 °C	DIN EN ISO 2555	
Kinematic viscosity	<i>not determined</i>			

#### 9.2. Other information

No data available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No data available

#### 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

Acids Water Alcohols Alkali (lye)

#### 10.6. Hazardous decomposition products

Hydrocarbons Nitrogen oxides (NOx) Hydrogen cyanide (hydrocyanic acid) Carbon monoxide Carbon dioxide (CO2)

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## PUR-O-STOP HF-L B-Komponente

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Substance name	Toxicological information
Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	<b>LC<sub>50</sub> Acute inhalation toxicity (vapour):</b> 0.493 mg/l 4 h (Rat) <b>LD<sub>50</sub> oral:</b> >10,000 mg/kg (Rat) OECD 401 <b>LD<sub>50</sub> dermal:</b> >9,400 mg/kg (Rabbit) OECD 402

#### 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:

Harmful if inhaled.

#### Skin corrosion/irritation:

Causes skin irritation.

#### Serious eye damage/irritation:

Causes serious eye irritation.

#### Respiratory or skin sensitisation:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. Contains Diphenylmethandiisocyanat, Isomere und Homologe, 4,4'-methylenediphenyl diisocyanate. May produce an allergic reaction.

#### Germ cell mutagenicity:

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

#### Carcinogenicity:

Suspected of causing cancer.

#### Reproductive toxicity:

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

#### STOT-single exposure:

May cause respiratory irritation.

#### STOT-repeated exposure:

May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard:

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

#### Additional information:

No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Substance name	Toxicological information
Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	<b>LC<sub>50</sub>:</b> >1,000 mg/l 4 d (fish, Danio rerio (zebrafish)) OECD 203 <b>EC<sub>50</sub>:</b> >1,000 mg/l (Daphnia magna (Big water flea)) OECD 202 24h <b>EC<sub>50</sub>:</b> >1,640 mg/l 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 <b>EC<sub>50</sub>:</b> >100 mg/l (Activated sludge) OECD 209 3h

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### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

Substance name	Log Kow	Bioconcentration factor (BCF)
Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9		200

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
Diphenylmethandiisocyanat, Isomere und Homologe CAS No.: 9016-87-9 EC No.: 618-498-9	The substance in the mixture does 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

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

08 05 01 *	Waste isocyanates
16 03 05 *	organic wastes containing hazardous substances

\*: Evidence for disposal must be provided.

#### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

## SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
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#### 14.1. UN-No.

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.
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#### 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.
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#### 14.3. Transport hazard class(es)

not relevant

#### 14.4. Packing group

not relevant

# SAFETY DATA SHEET

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**Version:** 1



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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA- DGR)
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### 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 and the IBC Code

not relevant

## 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

##### Water hazard class

##### WGK:

1 - schwach wassergefährdend

##### Other regulations, restrictions and prohibition regulations

Arbeitsmedizinische Grundsätze G27: "Isocyanate"

ZH 1/34 "Merkblatt: Polyurethan-Herstellung/Isocyanate (M 044)"

MAL-kode (Denmark): 00-5

ZH 1/129 "Merkblatt: Reizende Stoffe/Ätzende Stoffe (M 004)"

##### [DK] National regulations

##### Other regulations, restrictions and prohibition regulations

MAL-kode (Denmark): 00-5

### 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

# SAFETY DATA SHEET

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

**Revision date:** 8 Dec 2020

**Print date:** 5 Jan 2021

**Version:** 1



## PUR-O-STOP HF-L B-Komponente

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

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (Skin Irrit. 2)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (Skin Sens. 1)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (Eye Irrit. 2)	H319: Causes serious eye irritation.	Calculation method.
Acute toxicity (inhalative) (Acute Tox. 4)	H332: Harmful if inhaled.	Calculation method.
Respiratory or skin sensitisation (Resp. Sens. 1)	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.	Calculation method.
STOT-single exposure (STOT SE 3)	H335: May cause respiratory irritation.	Calculation method.
Carcinogenicity (Carc. 2)	H351: Suspected of causing cancer.	Calculation method.
STOT-repeated exposure (STOT RE 2)	H373: May cause damage to organs through prolonged or repeated exposure. (...)	Calculation method.

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

Hazard statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure. (...)

### 16.6. Training advice

No data available

### 16.7. Additional information

No data available