# SAFETY DATA SHEET

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

**Revision date:** 31 Jan 2023
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**Version:** 2.4

# TRACKFIX SIL B-Komponente

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

### 1.1. Product identifier

**Trade name/designation:**

**TRACKFIX SIL B-Komponente**

**UFI:**
AMA8-2HA8-9X82-8Q9Y

### 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]**

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

# TRACKFIX SIL 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 Reaction mass of 4,4’methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate, 4,4'-methylenediphenyl diisocyanate, Diphenylmethandiisocyanat, Isomere und Homologe. May produce an allergic reaction. |

| **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. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |

## 2.3. Other hazards

No data available

# TRACKFIX SIL B-Komponente

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

| Product identifiers | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---|---|---|
| CAS No.: 9016-87-9 | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>Acute Tox. 4 (H332), Carc. 2 (H351), Eye Irrit. 2 (H319), Resp. Sens. 1 (H334), STOT RE 2 (H373), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)<br>Danger | 48 – < 81 weight-% |
| REACH No.: 01-2119457015-45-XXXX | **Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate**<br>Acute Tox. 4 (H332), Carc. 2 (H351), Eye Irrit. 2 (H319), Resp. Sens. 1 (H334), STOT RE 2 (H373), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)<br>Danger | 5 – < 10 weight-% |
| CAS No.: 101-68-8<br>EC No.: 202-966-0<br>Index No.: 615-005-00-9<br>REACH No.: 01-2119457014-47-XXXX | **4,4'-methylenediphenyl diisocyanate**<br>Acute Tox. 4 (H332), Carc. 2 (H351), Eye Irrit. 2 (H319), Resp. Sens. 1 (H334), STOT RE 2 (H373**), STOT SE 3 (H335), Skin Irrit. 2 (H315), Skin Sens. 1 (H317)<br>Danger<br>**Specific concentration limit (SCL)**<br>Eye Irrit. 2; H319: C ≥ 5%<br>Skin Irrit. 2; H315: C ≥ 5%<br>Resp. Sens. 1; H334: C ≥ 0.1%<br>STOT SE 3; H335: C ≥ 5% | 5 – < 9 weight-% |

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

## 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:**

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. 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!

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### 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 ($CO_2$)
**Unsuitable extinguishing media:**
Full water jet

### 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.

## 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).

### 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.

**Further information on storage conditions:**

Conditions to avoid: UV-radiation/sunlight Heat Frost

### 7.3. Specific end use(s)

No data available

## 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<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark** |
|---|---|---|
| Québec (CA) | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>CAS No.: 9016-87-9 | ① 0.005 ppm (0.051 mg/m³)<br>⑤ (4,4'-Methylenediphenyl diisocyanate - CAS 101-68-8) |
| NIOSH (US) | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>CAS No.: 9016-87-9 | ① 0.005 ppm (0.05 mg/m³)<br>③ 0.02 ppm (0.2 mg/m³)<br>⑤ (4,4'-Methylenediphenyl diisocyanate - CAS 101-68-8) |
| Alberta (CA) | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>CAS No.: 9016-87-9 | ① 0.005 ppm (0.07 mg/m³) |
| SI<br>from 4 Dec 2018 | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>CAS No.: 9016-87-9 | ① 0.05 mg/m³<br>② 0.05 mg/m³<br>⑤ (als MDI berechnet), (frakcija ki jo je mogoče vdihniti, računati je treba z možnostjo prodiranja skozi kožo) K, Y |
| TRGS 900 (DE) | **Diphenylmethandiisocyanat, Isomere und Homologe**<br>CAS No.: 9016-87-9 | ① 0.05 mg/m³<br>② 0.05 mg/m³<br>③ 0.1 mg/m³<br>⑤ (als MDI berechnet), (einatembare Fraktion), kann über die Haut aufgenommen werden DFG, H, Sah, Y, 12 |
| BE<br>from 21 Feb 2020 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.052 mg/m³)<br>⑤ (MDI) |
| CZ<br>from 1 Mar 2020 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.05 mg/m³<br>② 0.1 mg/m³<br>⑤ I, S |

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| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| PL<br>from 1 Oct 2005 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.03 mg/m³<br>② 0.09 mg/m³ |
| NO<br>from 1 Jul 2021 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>② 0.01 ppm<br>⑤ A4 |
| IE<br>from 21 Aug 2018 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm<br>⑤ Sens |
| TRGS 900 (DE) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.05 mg/m³<br>② 0.05 mg/m³<br>③ 0.1 mg/m³<br>⑤ (Aerosol und Dampf, einatembare Fraktion, kann über die Haut aufgenommen werden) DFG, 11, 12, H, Sah, Y |
| LT | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>③ 0.01 ppm (0.1 mg/m³)<br>⑤ Nustatytas 5 min. poveikio trukmes NRD. Tas pats RD, išreikštas ppm, taikomas izocianatams, kuriu RD nenustatytas. Ši nuostata taikoma ir dulkiu ar lašeliu (aerozoliu) pavidalo izocianatams, iskaitant prepolimerizuotus izocianatus (aduktus). Skirtingu medžiagu RD, išreikšti mg/m3, yra skirtingi. J |
| SE<br>from 21 Aug 2018 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.002 ppm (0.03 mg/m³)<br>② 0.005 ppm (0.05 mg/m³) |
| NPEL (SK)<br>from 23 Nov 2011 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.002 ppm (0.03 mg/m³)<br>⑤ S |
| MAK (AT) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>⑤ III B, Sah |
| MAK (AT) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ② 0.01 ppm (0.1 mg/m³)<br>⑤ (max. 8x5 min./Schicht, Momentanwert) III B, Sah |
| DK | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>② 0.01 ppm (0.1 mg/m³)<br>⑤ K |
| MY<br>from 1 Jan 2000 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.051 mg/m³) |
| EE<br>from 17 Jan 2020 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>② 0.01 ppm (0.1 mg/m³)<br>⑤ (Lühiajalise kokkupuute piirnorm, arvutatud 5-min kokkupuuteajale.) S |
| Alberta (CA) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³) |
| BC (CA) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm<br>③ 0.01 ppm<br>⑤ S(R) |

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| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| ES | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.052 mg/m³)<br>⑤ Sen, r |
| Ontario (CA)<br>from 30 Mar 2022 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm<br>③ 0.02 ppm<br>⑤ designated Substance Reg.490/ 09 |
| JP | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.05 mg/m³ |
| MX<br>from 28 Apr 2014 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.051 mg/m³) |
| VLA (FR)<br>from 3 May 2021 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.01 ppm (0.1 mg/m³)<br>② 0.02 ppm (0.2 mg/m³) |
| TW | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ③ 0.02 ppm (0.2 mg/m³) |
| KR | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.055 mg/m³) |
| IS | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>② 0.01 ppm (0.1 mg/m³)<br>⑤ O |
| CN<br>from 1 Jan 2007 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.05 mg/m³<br>② 0.1 mg/m³ |
| RU | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ③ 0.5 mg/m³<br>⑤ A |
| HU<br>from 28 May 2022 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.05 mg/m³<br>② 0.05 mg/m³<br>⑤ (felvehető a bőrön keresztül) i, sz, BEM |
| GR<br>from 1 Oct 2016 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.02 ppm (0.2 mg/m³)<br>② 0.02 ppm (0.2 mg/m³) |
| SI<br>from 4 Dec 2018 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 mg/m³<br>② 0.005 mg/m³<br>⑤ (računati je treba z možnostjo prodiranja skozi kožo frakcija ki jo je mogoče vdihniti) K, Y |
| SI<br>from 4 Dec 2018 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm<br>② 0.005 ppm<br>⑤ (računati je treba z možnostjo prodiranja skozi kožo) K, Y |
| RO<br>from 21 Aug 2018 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ② 0.15 mg/m³<br>⑤ C2 |
| OSHA (US) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ③ 0.02 ppm (0.2 mg/m³) |

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| NIOSH (US) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.05 mg/m³)<br>③ 0.02 ppm (0.2 mg/m³) |
| ACGIH (US)<br>from 1 Jan 2015 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm |
| Québec (CA)<br>from 1 Mar 2012 | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | ① 0.005 ppm (0.051 mg/m³) |

### 8.1.2. Biological limit values

| Limit value type (country of origin) | Substance name | Limit value | ① Parameter<br>② Test material<br>③ Time of sampling:<br>④ Remark |
|---|---|---|---|
| BAT (CH) | **4,4'-methylenediphenyl diisocyanate**<br>CAS No.: 101-68-8<br>EC No.: 202-966-0 | 10 µg/g<br>Creatinin | ① 4,4'-Diaminodiphenylmethan<br>② Urin<br>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

### 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. 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.

**Respiratory protection:**
Filtering device with filter or ventilator filtering device of type: A

### 8.2.3. Environmental exposure controls
No data available

## SECTION 9: Physical and chemical properties

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

**Appearance**

**Physical state:** Liquid
**Colour:** dark brown
**Odour:** not determined

# TRACKFIX SIL B-Komponente

### Safety relevant basis data

| Parameter | Value | at °C | ① Method<br>② Remark |
|---|---|---|---|
| pH | *not determined* | | |
| Melting point | *not determined* | | |
| Freezing point | *not determined* | | |
| Initial boiling point and boiling range | > 300 °C | | |
| Decomposition temperature | *not determined* | | |
| Flash point | 220 °C | | |
| Evaporation rate | *not determined* | | |
| Auto-ignition temperature | *not determined* | | |
| Upper/lower flammability or explosive limits | *not determined* | | |
| Vapour pressure | *not determined* | | |
| Vapour density | *not determined* | | |
| Density | 1.18 g/cm³ | 23 °C | ① EN ISO 2811-1 |
| Relative density | *not determined* | | |
| Bulk density | *not determined* | | |
| Water solubility | *not determined* | | |
| Partition coefficient: n-octanol/water | *not determined* | | |
| Dynamic viscosity | *not determined* | | |
| Kinematic viscosity | *not determined* | | |

### 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
No data available

### 10.6. Hazardous decomposition products
No data available

## SECTION 11: Toxicological information

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

| **Diphenylmethandiisocyanat, Isomere und Homologe** CAS No.: 9016-87-9 |
|---|
| **$LD_{50}$ oral:** >10,000 mg/kg (Rat) OECD 401 |
| **$LD_{50}$ dermal:** >9,400 mg/kg (Rabbit) OECD 402 |
| **$LC_{50}$ Acute inhalation toxicity (vapour):** 0.493 mg/L 4 h (Rat) |
| **Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate** |
| **$LD_{50}$ oral:** >2,000 mg/kg (Rat) |
| **$LD_{50}$ dermal:** >9,400 mg/kg (Rabbit) |

| **4,4'-methylenediphenyl diisocyanate** CAS No.: 101-68-8 EC No.: 202-966-0 |
|---|
| **$LD_{50}$ oral:** >10,000 mg/kg (Rat) OECD 401 |
| **$LD_{50}$ dermal:** >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 Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate, 4,4'-methylenediphenyl diisocyanate, Diphenylmethandiisocyanat, Isomere und Homologe. 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

### 11.2. Information on other hazards
No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

| **Diphenylmethandiisocyanat, Isomere und Homologe** CAS No.: 9016-87-9 |
|---|
| **$LC_{50}$:** >1,000 mg/L 4 d (fish, Danio rerio (zebrafish)) OECD 203 |
| **$EC_{50}$:** >1,000 mg/L (Daphnia magna (Big water flea)) OECD 202 24h |
| **$EC_{50}$:** >1,640 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| **$EC_{50}$:** >100 mg/L (Activated sludge) OECD 209 3h |
| **Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate** |
| **$LC_{50}$:** >1,000 mg/L 4 d (fish, Danio rerio (zebrafish)) OECD 203 |
| **$EC_{50}$:** >1,000 mg/L (Daphnia magna (Big water flea)) OECD 202 24h |
| **$EC_{50}$:** >1,640 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) OECD 201 |
| **$EC_{50}$:** >100 mg/L (Activated sludge) OECD 209 3h |
| **$EC_{50}$:** >1,000 mg/L (Eisenia fetida) OECD 207 336h |

| **4,4'-methylenediphenyl diisocyanate** CAS No.: 101-68-8 EC No.: 202-966-0 |
|---|
| **$LC_{50}$:** >1,000 mg/L 4 d (fish, Danio rerio (zebrafish)) OECD 203 |
| **$EC_{50}$:** >1,000 mg/L (Daphnia magna (Big water flea)) OECD 202 24h |

### 12.2. Persistence and degradability
No data available

### 12.3. Bioaccumulative potential

| **Diphenylmethandiisocyanat, Isomere und Homologe** CAS No.: 9016-87-9 |
|---|
| **Bioconcentration factor (BCF):** 200 |
| **Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate** |
| **Bioconcentration factor (BCF):** 200 Species: Cyprinus carpio (Common Carp) |

### 12.4. Mobility in soil
No data available

### 12.5. Results of PBT and vPvB assessment

| **Diphenylmethandiisocyanat, Isomere und Homologe** CAS No.: 9016-87-9 |
|---|
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| **Reaction mass of 4,4'methylenediphenyldiisocyanate and o-(isocyanatobenzyl)phenylisocyanate** |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |
| **4,4'-methylenediphenyl diisocyanate** CAS No.: 101-68-8 EC No.: 202-966-0 |
| **Results of PBT and vPvB assessment:** This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII. |

### 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**

| | |
|---|---|
| 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

| **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 |

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|---|
| **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

**Restrictions on use:**

As from 24 August 2023 adequate training is required before industrial or professional use.

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

### 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]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Skin corrosion/irritation *(Skin Irrit. 2)* | H315: Causes skin irritation. | |
| Respiratory or skin sensitisation *(Skin Sens. 1)* | H317: May cause an allergic skin reaction. | |
| Serious eye damage/eye irritation *(Eye Irrit. 2)* | H319: Causes serious eye irritation. | |
| Acute toxicity (inhalative) *(Acute Tox. 4)* | H332: Harmful if inhaled. | |
| Respiratory or skin sensitisation *(Resp. Sens. 1)* | H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. | |

## TRACKFIX SIL B-Komponente

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| STOT-single exposure *(STOT SE 3)* | H335: May cause respiratory irritation. | |
| Carcinogenicity *(Carc. 2)* | H351: Suspected of causing cancer. | |
| STOT-repeated exposure *(STOT RE 2)* | H373: May cause damage to organs through prolonged or repeated exposure. | |

### 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