

### Page 1/8

- EU -

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from

time to time

Printing date 17.06.2024

Version-No. 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking
· 1.1. Product identifier
· Trade name / Article-No: KLEIBERIT 704.3.57 ME
<ul> <li>1.2. Relevant identified uses of the substance / mixture or uses advised against</li> <li>Do not use for private purposes (household).</li> <li>Application of the substance / the mixture Adhesives</li> </ul>
<ul> <li>1.3. Details of the supplier of the safety data sheet</li> <li>Manufacturer/Supplier: KLEIBERIT SE &amp; Co. KG Max-Becker-Str. 4 76356 Weingarten Germany</li> <li>Further information obtainable from: phone: +49 (0) 7244 62-0 FAX: +49 (0) 7244 700-0 E-Mail: hse@kleiberit.com</li> <li>1.4. Emergency telephone number: +44 1235 239670 European regional number (European languages)</li> </ul>
SECTION 2: Hazards identification · 2.1. Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008 - GHS/CLP The product is not classified as hazardous to health or environment according to the CLP regulation.
<ul> <li>2.2. Label elements</li> <li>Hazard pictograms Void</li> <li>Signal word Void</li> <li>Hazard statements Void</li> <li>Additional information: Safety data sheet available on request. Contains isocyanates. May produce an allergic reaction.</li> <li>2.3. Other hazards</li> <li>Results of PBT and vPvB assessment</li> <li>PBT: Not applicable.</li> <li>vPvB: Not applicable.</li> <li>Determination of endocrine-disrupting properties Not applicable.</li> </ul>
SECTION 3: Composition/information on ingredients
S.2 Mixtures     Description: Mixture of substances listed below with nonhazardous additions.     (Contd. on page 2)

# Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time

Printing date 17.06.2024

### Version-No. 1.0

	(Co	ntd. of page
<sup>·</sup> Dangerous components:		or paye
•	dentification / Classification GHS-CLP	(
CAS: 28182-81-2	aliphatic polyisocyanate, based on HDI KXX Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335 ATE: LC₅₀ /4 h inhalative: 11 mg/l	≥0.1-<19
CAS: 5873-54-1 Reg.nr.: 01-2119480143-45-XX	Diphenylmethane-2,4'-diisocyanate KXX Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 ATE: $LC_{50}$ /4 h inhalative: 11 mg/l Specific concentration limits: Skin Irrit. 2; H315: C $\geq$ 5 % Eye Irrit. 2; H319: C $\geq$ 5 % Resp. Sens. 1; H334: C $\geq$ 0.1 % STOT SE 3; H335: C $\geq$ 5 %	<0.1%
· Additional information: For th	ne wording of the listed hazard phrases refer to section 16.	
SECTION 4: First aid me	easures	
<ul> <li>4.1. Description of first aid m</li> </ul>	leasures	
	air; consult doctor in case of complaints.	
· After skin contact:		
· Atter skin contact.		
After contact with the molten pr	roduct, cool rapidly with cold water.	
After contact with the molten pr		
After contact with the molten pr If skin irritation continues, cons • After eye contact:	sult a doctor.	
After contact with the molten pr If skin irritation continues, cons • <b>After eye contact:</b> Rinse opened eye for several n	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor.	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately.	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b>	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available.	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available.	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information SECTION 5: Firefighting	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available.	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available. <b>measures</b>	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available. <b>measures</b>	
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available. <b>measures</b> <b>is:</b> ight larger fires with water spray or alcohol resistant foam.	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available. <b>measures</b>	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. octor immediately. <b>ns and effects, both acute and delayed</b> available. <b>iate medical attention and special treatment needed</b> available. <b>measures</b> <b>is:</b> ight larger fires with water spray or alcohol resistant foam.	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear set	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. botor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed available. I measures is: ight larger fires with water spray or alcohol resistant foam. From the substance or mixture No further relevant information availa self-contained respiratory protective device.	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. botor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed available. measures s: ight larger fires with water spray or alcohol resistant foam. from the substance or mixture No further relevant information availa self-contained respiratory protective device. release measures	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se SECTION 6: Accidental for • 6.1. Personal precautions, pr	sult a doctor.  ninutes under running water. If symptoms persist, consult a doctor.  octor immediately.  ns and effects, both acute and delayed available.  iate medical attention and special treatment needed available.  measures  s::  ight larger fires with water spray or alcohol resistant foam.  from the substance or mixture No further relevant information availa  self-contained respiratory protective device.  release measures  rotective equipment and emergency procedures Not required.	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se SECTION 6: Accidental for • 6.1. Personal precautions, pr	sult a doctor.  Ininutes under running water. If symptoms persist, consult a doctor. Ininutes under running water. If symptoms persist, consult a doctor. Initiate medical attention and delayed available.  Initiate medical attention and special treatment needed available.  Initiate medical attention at	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se • SECTION 6: Accidental n • 6.1. Personal precautions, pr • 6.2. Environmental precautio • 6.3. Methods and material for	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. potor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed available. I measures rs: ight larger fires with water spray or alcohol resistant foam. From the substance or mixture No further relevant information availa self-contained respiratory protective device. release measures rotective equipment and emergency procedures Not required. ms: No special measures required. r containment and cleaning up: Pick up mechanically.	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se • SECTION 6: Accidental n • 6.1. Personal precautions, pr • 6.2. Environmental precautio • 6.3. Methods and material for • 6.4. Reference to other section	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. potor immediately. ns and effects, both acute and delayed available. iate medical attention and special treatment needed available. I measures releasures release measures rotective equipment and emergency procedures Not required. rot special measures required. r containment and cleaning up: Pick up mechanically. ons	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se • SECTION 6: Accidental n • 6.1. Personal precautions, pr • 6.2. Environmental precautio • 6.3. Methods and material for • 6.4. Reference to other section See Section 7 for information o	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. botor immediately. <b>Ins and effects, both acute and delayed</b> available. <b>Tate medical attention and special treatment needed</b> available. <b>The measures</b> <b>The substance or mixture</b> No further relevant foam. <b>Trom the substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa <b>The substance or mix</b>	ble.
After contact with the molten pr If skin irritation continues, cons • After eye contact: Rinse opened eye for several n • After swallowing: Call for a do • 4.2. Most important symptom No further relevant information • 4.3. Indication of any immedi No further relevant information • 4.3. Indication of any immedi No further relevant information • 5.1. Extinguishing media • Suitable extinguishing agent CO2, powder or water spray. F • 5.2. Special hazards arising f • 5.3. Advice for firefighters • Protective equipment: Wear se • SECTION 6: Accidental n • 6.1. Personal precautions, pr • 6.2. Environmental precautio • 6.3. Methods and material for • 6.4. Reference to other section See Section 7 for information o	sult a doctor. ninutes under running water. If symptoms persist, consult a doctor. botor immediately. <b>Ins and effects, both acute and delayed</b> available. <b>Tate medical attention and special treatment needed</b> available. <b>The asures</b> <b>The substance or mixture</b> No further relevant foam. <b>Trom the substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa self-contained respiratory protective device. <b>The substance or mixture</b> No further relevant information availa <b>The substance or mixtu</b>	ble.

### Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from

time to time

Printing date 17.06.2024

### Version-No. 1.0

Revision: 17.06.2024

### Trade name / Article-No: KLEIBERIT 704.3.57 ME

(Contd. of page 2)

### **SECTION 7: Handling and storage**

· 7.1. Precautions for safe handling

Ensure good ventilation. This can be achieved by using a local exhaustion or general exhaust system. If these measures are insufficient to keep the vapour concentration below the workplace limit, wear an adequate respiratory protective device.

Wear protective gloves/protective clothing/eye protection/face protection.

Prevent formation of dust.

Avoid contact with the skin.

• 7.2. Conditions for safe storage, including any incompatibilities

· Storage:

• Requirements to be met by storerooms and receptacles: Keep container tightly closed.

- · Information about storage in one common storage facility: Observe the national regulations.
- · Further information about storage conditions: None.
- 7.3. Specific end use(s) No further relevant information available.

### **SECTION 8: Exposure controls/personal protection**

#### · 8.1. Control parameters

- $\cdot$  Ingredients with limit values that require monitoring at the workplace:
- · DNELs

### 28182-81-2 aliphatic polyisocyanate, based on HDI

Inhalative DNEL short term 1 mg/m3 (human being) DNEL long term 0.5 mg/m3 (human being)

### 5873-54-1 Diphenylmethane-2,4'-diisocyanate

Dermal DNEL short term 50 mg/kg (human being) Inhalative DNEL short term 0.1 mg/m3 (human being) DNEL long term 0.05 mg/m3 (human being)

### PNECs

### 28182-81-2 aliphatic polyisocyanate, based on HDI

PNEC- Freshwater	0.127 mg/l (not specified)
PNEC-seawater	0.0127 mg/l (not specified)
PNEC-Freshwater sediment	266,701 mg/kg (not specified)
PNEC-Seawater sediment	26,670 mg/kg (not specified)
PNEC-soil	53.2 mg/kg (not specified)
PNEC-wastewater treatment plant	38.28 mg/l (not specified)

### 5873-54-1 Diphenylmethane-2,4'-diisocyanate

PNEC- Freshwater	1 mg/l (not specified)
PNEC-seawater	0.1 mg/l (not specified)
PNEC-soil	1 mg/kg (not specified)
PNEC-wastewater treatment plan	t 1 mg/l (not specified)

### CAS No. Designation of material % Type Value Unit

### 5873-54-1 Diphenylmethane-2,4'-diisocyanate

AGW (Germany) Long-term value: 0.05 mg/m<sup>3</sup> 1;=2=(I);AGS, 11, 12

### · 8.2. Exposure controls

limit the exposure to:

# Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time

Printing date 17.06.2024

Version-No. 1.0

70/057 МЕ	
ade name / Article-No: KLEIBERIT <b>704.3.57 ME</b>	
8 hours	(Contd. of page 3)
· Appropriate engineering controls No further data; se	ee section 7.
<sup>·</sup> Individual protection measures, such as personal p	protective equipment
General protective and hygienic measures:	
The usual precautionary measures are to be adhered t • <b>Respiratory protection:</b> Not necessary if room is well	
· Hand protection	-ventilated.
Protective gloves	
Heat resistant gloves	
<ul> <li>Material of gloves</li> <li>A Nitrile rubber - NBR: AlphaTec® (&gt; 0,4 mm)</li> </ul>	
Leather gloves	
• Eye/face protection Safety glasses	
<ul> <li>Body protection: Protective work clothing</li> </ul>	
• Thermal hazards Risk of burns during thermal proces	sing.
SECTION 9: Physical and chemical proper	ties
• 9.1. Information on basic physical and chemical pro	operties
· General Information · Physical state	Solid
· Colour:	According to product specification
· Odour:	Light
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
<ul> <li>Boiling point or initial boiling point and boiling range</li> </ul>	Undetermined.
· Flammability	Not determined.
· Lower and upper explosion limit	
Lower:	Not determined.
· Upper:	Not determined.
<ul> <li>Flash point:</li> <li>Auto-ignition temperature:</li> </ul>	Not applicable. >300 °C (polymer of polyether polyester polyol and
Auto-ignition temperature.	diphenylmethane diisocyanate)
· Decomposition temperature:	Not determined.
· pH	Not applicable.
· Viscosity:	At room temperature: not applicable
· Kinematic viscosity · Dynamic:	Not applicable. Not applicable.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
<ul> <li>Density and/or relative density</li> <li>Density at 20 °C:</li> </ul>	ca. 1.1 g/cm³
· Relative density	Not determined.
· Vapour density	Not applicable.
• Particle characteristics See section 3.	
9.2. Other information	
· Appearance:	Calid
<ul> <li>Form:</li> <li>Important information on protection of health and</li> </ul>	Solid
environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
- ·	(Contd. on page 5)

— EU -

# Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time

Printing date 17.06.2024

### Version-No. 1.0

Trade name / Article-No: KLEIBERIT 704.3.57 M	E
<ul> <li>Explosive properties:</li> <li>Change in condition</li> </ul>	<i>(Contd. of page 4)</i> Product does not present an explosion hazard.
· Evaporation rate	Not applicable.
Information with regard to physical hazard class	
· Explosives	Void
· Flammable gases	Void
Aerosols	Void
· Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
• Pyrophoric solids	Void
<ul> <li>Self-heating substances and mixtures</li> <li>Substances and mixtures, which emit flammable</li> </ul>	Void
gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
<ul> <li>Desensitised explosives</li> </ul>	Void
<ul> <li>10.3. Possibility of hazardous reactions No dang</li> <li>10.4. Conditions to avoid No further relevant infor</li> <li>10.5. Incompatible materials: No further relevant i</li> <li>10.6. Hazardous decomposition products: No da</li> <li>Additional information:</li> <li>When hotmelt adhesives are melted and applied, vaeven if the recommended working temperature has temperature is exceeded over a longer period, harm should be taken to eliminate the vapours, e.g. by us</li> </ul>	led: No decomposition if used according to specifications. erous reactions known. mation available. nformation available. angerous decomposition products known. apours are set free and an unpleasant odour can occur, been observed. Moreover if the prescribed working nful decomposition products can develop. Precautions
SECTION 11: Toxicological information         • 11.1. Information on hazard classes as defined i         • 11.1. Information on hazard classes as defined i         • Acute toxicity Based on available data, the classifi         • LD/LC <sub>50</sub> values relevant for classification:         28182-81-2 aliphatic polyisocyanate, based on H         Oral       LD <sub>50</sub> • >5,000 mg/kg (rat)         weibliche Ratte >2500 mg/kg         Dermal       LD <sub>50</sub> • >2,000 mg/kg (rat) (OECD 40)	cation criteria are not met. IDI
Inhalative $LC_{50}$ /4 h 11 mg/l (ATE)	(Contd. on page 6)

### Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from

time to time

Printing date 17.06.2024

Version-No. 1.0

Revision: 17.06.2024

### Trade name / Article-No: KLEIBERIT 704.3.57 ME

(Contd. of page 5)

### 5873-54-1 Diphenylmethane-2,4'-diisocyanate

Oral LD<sub>50</sub> >2,000 mg/kg (rat) (84/449/EWG, B.1)

Dermal  $LD_{50}$  >9,400 mg/kg (rabbit) (OECD 402)

Inhalative LC<sub>50</sub> /4 h 11 mg/l (ATE)

• 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.

11.2 Information on other hazards

• Endocrine disrupting properties

None of the ingredients is listed.

### **SECTION 12: Ecological information**

### 12.1. Toxicity

• Aquatic toxicity:

### 28182-81-2 aliphatic polyisocyanate, based on HDI

EC<sub>50</sub> >100 mg / I / 48h (water flea - daphnia)

### 5873-54-1 Diphenylmethane-2,4'-diisocyanate

LC<sub>50</sub> >1,000 mg / I / 96h (Zebrafish - Danio rerio)

EC<sub>50</sub> >1,000 mg / I / 24h (water flea - daphnia)

IC<sub>50</sub> >1,640 mg / I / 72h (Chlorophyceae - Scenedesmus subspicatus)

12.2. Persistence and degradability No further relevant information available.

· 12.3. Bioaccumulative potential No further relevant information available.

- **12.4. Mobility in soil** No further relevant information available.
- 12.5. Results of PBT and vPvB assessment
- **PBT:** Not applicable.

· **vPvB:** Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- 12.7 Other adverse effects
- · Additional ecological information:

· General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

### **SECTION 13: Disposal considerations**

### · 13.1. Waste treatment methods

- · Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- · European waste catalogue

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

- · Uncleaned packaging:
- · Recommendation:

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

(Contd. on page 7)

ÉU

### Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time

time to time

Printing date 17.06.2024

### Version-No. 1.0

Revision: 17.06.2024

### Trade name / Article-No: KLEIBERIT 704.3.57 ME

(Contd. of page 6)

SEL HUN 14. Transport information	
SECTION 14: Transport information	
<ul> <li>14.1. UN number or ID number</li> <li>ADR, IMDG, IATA</li> </ul>	Void
14.2. UN proper shipping name	VOIU
DOT, ADR, IMDG, IATA	Void
14.3. Transport hazard class(es)	
Class	Void
14.4. Packing group	
ADR, IMDG, IATA	Void
· 14.5. Environmental hazards:	Not applicable.
<ul> <li>14.6. Special precautions for user</li> <li>14.7. Maritime transport in bulk according to IMC</li> </ul>	Not applicable.
instruments	Not applicable.
SECTION 15: Regulatory information	
	ns/legislation specific for the substance or mixture
<ul> <li>Directive 2012/18/EU - Seveso-III:</li> <li>Named dangerous substances - ANNEX I None o</li> <li>Regulation (EC) No 1907/2006 - REACH, ANNEX I</li> <li>Regulation (EU) No 649/2012</li> </ul>	
None of the ingredients is listed. • DIRECTIVE 2011/65/EU on the restriction of the u electronic equipment – Annex II	use of certain hazardous substances in electrical and
None of the ingredients is listed. • REGULATION (EU) 2019/1148 • Annex I - RESTRICTED EXPLOSIVES PRECURS( under Article 5(3))	ORS (Upper limit value for the purpose of licensing
None of the ingredients is listed.	SORS
None of the ingredients is listed. • Regulation (EC) No 273/2004 on drug precursors	5
None of the ingredients is listed. • Regulation (EC) No 111/2005 laying down rules f third countries in drug precursors	for the monitoring of trade between the Community and
None of the ingredients is listed.	
· National regulations:	
<ul> <li>National regulations:</li> <li>D: Waterhazard class Water hazard class 1 (Self-a • VOC - 2010/75/EU [g/L]: &lt;5.0 g/l     </li> <li>VOC - 2010/75/EU [%]: &lt;0.50 %</li> </ul>	assessment): slightly hazardous for water.

### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 8)

EU -

### Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from

time to time

Printing date 17.06.2024

Version-No. 1.0

Revision: 17.06.2024

### Trade name / Article-No: KLEIBERIT 704.3.57 ME

	(Contd. of page
Relevar	nt phrases
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.
EUH204	Contains isocyanates. May produce an allergic reaction.
Departr	nent issuing SDS: Safety & Environment
	iations and acronyms:
	ord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the
	nal Carriage of Dangerous Goods by Road)
	ernational Maritime Code for Dangerous Goods
	Department of Transportation rnational Air Transport Association
	bally Harmonised System of Classification and Labelling of Chemicals
EINECS:	European Inventory of Evisting Commercial Chemical Substances
	European Inventory of Existing Commercial Chemical Substances
	European List of Notified Chemical Substances
CAS: Che	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society)
CAS: Che DNEL: De	European List of Notified Chemical Substances
CAS: Che DNEL: De PNEC: Pr LC50: Let	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rrived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rrived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) wived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers vPvB: ven	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers vPvB: ven ATE: Acut	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) wived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers vPvB: ven ATE: Acut Acute Tox Skin Irrit. 2	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative te toxicity estimate values t. 4: Acute toxicity – Category 4 2: Skin corrosion/irritation – Category 2
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers vPvB: ven ATE: Acut Acute Tox Skin Irrit. 2 Eye Irrit. 2	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative te toxicity estimate values t. 4: Acute toxicity – Category 4 2: Skin corrosion/irritation – Category 2 2: Serious eye damage/eye irritation – Category 2
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let PBT: Pers ATE: Acut ACUE Tox Skin Irrit. 2 Eye Irrit. 2 Resp. Ser	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative te toxicity estimate values 4: Acute toxicity – Category 4 2: Skin corrosion/irritation – Category 2 2: Serious eye damage/eye irritation – Category 2 ns. 1: Respiratory sensitisation – Category 1
CAS: Che DNEL: De PNEC: Pr LC50: Let DBT: Pers vPvB: ver ATE: Acut Acute Tox Skin Irrit. 2 Resp. Ser Skin Sens Carc. 2: C	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent hal dose, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative te toxicity estimate values t. 4: Acute toxicity – Category 4 2: Skin corrosion/irritation – Category 2 2: Serious eye damage/eye irritation – Category 2 5: Serious eye damage/eye irritation – Category 1 5. 1: Respiratory sensitisation – Category 1 5. 1: Skin sensitisation – Category 1 5: Category 2
CAS: Che DNEL: De PNEC: Pr LC50: Let LD50: Let D50: Let PBT: Pers vPvB: ven ATE: Acut Acute Tox Skin Irrit. 2 Resp. Ser Skin Sens Carc. 2: C STOT SE	European List of Notified Chemical Substances mical Abstracts Service (division of the American Chemical Society) rrived No-Effect Level (REACH) edicted No-Effect Concentration (REACH) hal concentration, 50 percent sistent, Bioaccumulative and Toxic y Persistent and very Bioaccumulative te toxicity estimate values t. 4: Acute toxicity – Category 4 2: Skin corrosion/irritation – Category 2 2: Serious eye damage/eye irritation – Category 1 5. 1: Respiratory sensitisation – Category 1