



BE SURE. BUILD SURE.

Page 1/11

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

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

#### 1.1 Product identifier

Trade name **MC-DUR TopSpeed - Komponente B**

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

Sector of Use SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category PC9a Coatings and paints, thinners, paint removers

Process category PROC10 Roller application or brushing

#### Environmental release category

ERC8f Widespread use leading to inclusion into/onto article (outdoor)

ERC11a Widespread use of articles with low release (indoor)

Article category AC13 Plastic articles

#### Application of the substance / the mixture

Polyurethane lacquer

Hardening agent/ Curing agent

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

Manufacturer/Supplier: MC-Bauchemie Müller GmbH & Co. KG  
Am Kruppwald 1-8  
D-46238 Bottrop  
Tel.: +49(0)2041-101-0  
Fax.: +49(0)2041-101-400  
E-Mail: info@mc-bauchemie.de

MC-Bauchemie AG  
Hagackerstr. 10  
CH-8953 Dietikon  
Tel.: +44-7400510  
Fax : +44-7400533

Informing department: msds@mc-bauchemie.de

#### 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)

Tel.: +1 872 5888271 (MCR)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4 H332 Harmful if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H335 May cause respiratory irritation.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

(Contd. on page 2)

GB



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 1)

**Hazard pictograms**



GHS07 GHS08

**Signal word**

Danger

**Hazard-determining components of labelling:**

Aliphatisches Polyisocyanat  
Solvent naphtha (petroleum), light arom.  
hexamethylene diisocyanate

**Hazard statements**

H332 Harmful if inhaled.  
H317 May cause an allergic skin reaction.  
H335 May cause respiratory irritation.  
H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P321 Specific treatment (see on this label).  
P331 Do NOT induce vomiting.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

**Additional information:**

EUH401 To avoid risks to human health and the environment, comply with the instructions for use.  
EUH204 Contains isocyanates. May produce an allergic reaction.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

**3.2 Mixtures**

**Description:**

Mixture consisting of the following components.

**Dangerous components:**

CAS: 28182-81-2	Aliphatisches Polyisocyanat Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	60-80%
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	≥10-<20%

(Contd. on page 3)



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

**Trade name MC-DUR TopSpeed - Komponente B**

(Contd. of page 2)

CAS: 108-32-7 EINECS: 203-572-1	Propylene carbonate Eye Irrit. 2, H319	<2.5%
CAS: 822-06-0 EINECS: 212-485-8 Reg.nr.: 01-2119457571-37-0000	hexamethylene diisocyanate Acute Tox. 3, H331; Resp. Sens. 1, H334; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C ≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 %	<0.1%

· **Additional information**

For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information**

Remove soiled, soaked clothing immediately.

· **After inhalation**

Remove person to fresh air, keep warm, allow to rest; if breathing is difficult, seek medical attention.

· **After skin contact**

In case of contact with skin, wash carefully with plenty of soap and water. Consult a doctor in case of skin reactions.

· **After eye contact**

Rinse the eyes with open eyelids for a sufficiently long time (at least 10 minutes) with water that is as lukewarm as possible. Consult an ophthalmologist.

· **After swallowing**

Do NOT induce vomiting. Rinse mouth with water. Medical attention required.

· **4.2 Most important symptoms and effects, both acute and delayed**

Advice for the doctor: Elementary aid, decontamination, symptomatic treatment.

· **4.3 Indication of any immediate medical attention and special treatment needed**

Therapeutic measures: No information available.

#### SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

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

Can be released in case of fire

Carbon monoxide (CO)

Nitrogen oxides (NOx)

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Hydrogen cyanide (HCN)

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/11

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 3)

- **5.3 Advice for firefighters**
- **Protective equipment:** *Wear self-contained breathing apparatus.*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Ensure adequate ventilation  
Use breathing protection against the effects of fumes/dust/aerosol.*
- **6.2 Environmental precautions:** *Prevent material from reaching sewage system, holes and cellars.*
- **6.3 Methods and material for containment and cleaning up:** *Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to item 13.  
Ensure adequate ventilation.*
- **6.4 Reference to other sections** *See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** *Ensure sufficient air exchange and/or extraction in the work areas.  
Air extraction is required for spray application.  
For solid products: Avoid dust formation and dust deposits.  
Air limit values mentioned in section 8 must be monitored.  
At workplaces where isocyanate aerosols and/or vapours can occur in higher concentrations, targeted air extraction must be used to prevent the occupational hygiene limit value from being exceeded. The air must be moved away from people.  
For products containing solvents: Explosion protection required.  
The personal protective measures described in section 8 must be observed. The protective measures required when handling isocyanates must be observed. Avoid contact with skin and eyes and inhalation of vapours.  
Keep away from food and beverages. Wash hands before breaks and at the end of work and apply skin protection ointment. Store work clothes separately. Remove soiled, soaked clothing immediately.*
- **Information about protection against explosions and fires:** *Keep ignition sources away - do not smoke.  
Protect from heat.  
Do not store near heat sources.*

(Contd. on page 5)

GB



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

**Trade name MC-DUR TopSpeed - Komponente B**

(Contd. of page 4)

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

Keep container dry and tightly closed. Further information on the storage conditions that must be observed for quality assurance reasons can be found in our technical data sheet.

**· Storage**

**· Requirements to be met by storerooms and containers:**

Keep tightly closed in original packaging. Ventilate storage rooms well. Carefully close opened containers and store upright to prevent any leakage.

Storage temperature >5°C and <30°C

**· Information about storage in one common storage facility:**

May be stored together with hazardous substances of other classes up to 200 kg.

**· Further information about storage conditions:**

Keep container tightly closed in a well-ventilated place.

**· Storage class**

10

**· 7.3 Specific end use(s)**

No further relevant information available.

### SECTION 8: Exposure controls/personal protection

**· 8.1 Control parameters**

**· Components with critical values that require monitoring at the workplace:**

**CAS: 822-06-0 hexamethylene diisocyanate**

WEL Short-term value: 0.07 mg/m<sup>3</sup>  
Long-term value: 0.02 mg/m<sup>3</sup>  
Sen; as -NCO

**· DNELs**

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

Inhalative DNEL 0.5 mg/m<sup>3</sup> (Workers) (long term local)  
1 mg/m<sup>3</sup> (kei) (acute local eff)

**CAS: 822-06-0 hexamethylene diisocyanate**

Inhalative DNEL 0.5 mg/m<sup>3</sup> (ArL)

**· PNECs**

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

PNEC aqua 12.7 µg/l (Daphnia magna) (marine)  
PNEC 38.28 mg/l (kei) (STP)

**CAS: 822-06-0 hexamethylene diisocyanate**

PNEC 100 mg/l (Sewage Treatment Plant)  
0.0199 mg/l (Mew)  
0.199 mg/l (Freshwater)  
PNEC 8884 mg/kg dwt (Bod)

(Contd. on page 6)



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

**Trade name MC-DUR TopSpeed - Komponente B**

(Contd. of page 5)

4455 mg/kg dwt (Marine water sediment)
44551 mg/kg dwt (Fresh water sediment)

**· Ingredients with biological limit values:**

**CAS: 822-06-0 hexamethylene diisocyanate**

BMGV 1 µmol creatinine/mol

Medium: urine

Sampling time: At the end of the period of exposure

Parameter: isocyanate-derived diamine

**· Additional information:** The lists that were valid during the compilation were used as basis.

**· 8.2 Exposure controls**

**· Appropriate engineering controls**

No further data; see section 7.

**· Individual protection measures, such as personal protective equipment**

**· General protective and hygienic measures**

Do not smoke, eat or drink while working. Have eye wash equipment ready.

Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.

Do not store food in the work area. Wash hands before breaks and at the end of work.

**· Breathing equipment:**

Respiratory protection required at insufficiently ventilated workplaces and when working with splashes. Fresh air masks or combination filters A2-P2 (EN529) are recommended for short-term work.

If applicable, further recommendations for respiratory protection can be found in the appendix.

In case of hypersensitivity of the respiratory tract (asthma, chronic bronchitis), handling of the product is not recommended.

**· Hand protection**

Suitable materials for protective gloves; EN 374:

Butyl rubber - IIR: thickness  $\geq 0.5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluororubber - FKM: thickness  $\geq 0.4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Multi-layer glove - PE/EVAL/PE ; Breakthrough time  $\geq 480\text{ min}$ .

Recommendation: Dispose of contaminated gloves.

-

**· Material of gloves**

**· Penetration time of glove material**

Butyl rubber - IIR: thickness  $\geq 0.5\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Fluoro rubber - FKM: thickness  $\geq 0.4\text{mm}$ ; breakthrough time  $\geq 480\text{min}$ .

Multi-layer glove - PE/EVAL/PE ; Breakthrough time  $\geq 480\text{ min}$ .

**· Eye/face protection**

Wear safety goggles/face protection.

**· Body protection:**

Wear suitable protective clothing when working.

In case of hypersensitivity of the skin, handling of the product is not recommended.

GB

(Contd. on page 7)



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 6)

#### SECTION 9: Physical and chemical properties

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

###### General Information

· <b>Colour:</b>	Dark brown
· <b>Smell:</b>	Characteristic
· <b>Melting point/freezing point:</b>	Not determined
· <b>Boiling point or initial boiling point and boiling range</b>	36 °C (CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.)
· <b>Flash point:</b>	63 °C
· <b>pH</b>	Not applicable. Not determined.
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>Water:</b>	Hydrolized
· <b>Steam pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C</b>	1.11 g/cm <sup>3</sup>

##### 9.2 Other information

· <b>Appearance:</b>	
· <b>Form:</b>	Fluid
· <b>Important information on protection of health and environment, and on safety.</b>	
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.

##### Information with regard to physical hazard classes

· <b>Explosives</b>	Void
· <b>Flammable gases</b>	Void
· <b>Aerosols</b>	Void
· <b>Oxidising gases</b>	Void
· <b>Gases under pressure</b>	Void
· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void

(Contd. on page 8)



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 7)

· **Desensitised explosives**

Void

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with amines
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known

#### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Harmful if inhaled.

· **LD/LC50 values that are relevant for classification:**

**CAS: 28182-81-2 Aliphatisches Polyisocyanat**

Oral LD50 >2500 mg/kg (rat) (OECD 423)

Dermal LD50 >2000 mg/kg (rat) (OECD 402)

**CAS: 108-32-7 Propylene carbonate**

Oral LD50 >5000 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

**CAS: 822-06-0 hexamethylene diisocyanate**

Oral LD50 738 mg/kg (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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** May cause respiratory irritation.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** May be fatal if swallowed and enters airways.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

GB

(Contd. on page 9)





BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 8)

#### SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

CAS: 28182-81-2 Aliphatisches Polyisocyanat

ErC10/72h 370 mg/l (Desmodesmus subspicatus) (EU C.3)

ErC50/72h >1000 mg/l (Desmodesmus subspicatus) (EU C.3)

· 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:

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

#### SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packagings:

· Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

#### SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

Void

· 14.2 UN proper shipping name

· ADR, IMDG, IATA

Void

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Void

(Contd. on page 10)



BE SURE. BUILD SURE.

### Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 25.05.2024

Version number 49 (replaces version 48)

Revision: 06.05.2024

Trade name MC-DUR TopSpeed - Komponente B

(Contd. of page 9)

- **14.4 Packing group**  
· **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**  
· **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Maritime transport in bulk according to IMO instruments** Not applicable.
- **UN "Model Regulation":** Void

#### SECTION 15: Regulatory information

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

· **Regulated explosives precursors**

None of the ingredients is listed.

· **Regulated poisons**

None of the ingredients is listed.

· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

#### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

(Contd. on page 11)



BE SURE. BUILD SURE.

## Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

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Version number 49 (replaces version 48)

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**Trade name MC-DUR TopSpeed - Komponente B**

(Contd. of page 10)

H319 Causes serious eye irritation.  
 H331 Toxic if inhaled.  
 H332 Harmful if inhaled.  
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
 H335 May cause respiratory irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.  
 EUH204 Contains isocyanates. May produce an allergic reaction.

· **Department issuing data specification sheet:**

Environment protection department.

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 DNEL: Derived No-Effect Level (UK REACH)  
 PNEC: Predicted No-Effect Concentration (UK REACH)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Acute Tox. 3: Acute toxicity – Category 3  
 Acute Tox. 4: Acute toxicity – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
 Resp. Sens. 1: Respiratory sensitisation – Category 1  
 Skin Sens. 1: Skin sensitisation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
 Asp. Tox. 1: Aspiration hazard – Category 1  
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **\* Data compared to the previous version altered.**