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

Version number 31 (replaces version 30) Printing date 12.04.2024 Revision: 12.04.2024

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

· 1.1 Product identifier

· Trade name MC-DUR TopSpeed M - Komponente B

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

No further relevant information available.

· Application of the substance

/ the mixture Sealing

· 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

Flammable liquid and vapour. Flam. Liq. 3 H226

Acute Tox. 4 H332 Harmful if inhaled.

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

Carc. 1B H350 May cause cancer.

STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or

dizziness.

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.

Hazard pictograms







GHS02 GHS07 GHS08

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· Signal word

Danger

· Hazard-determining

components of labelling:

Aliphatisches Polyisocyanat

isopropylbenzene

2-methoxy-1-methylethyl acetate hexamethylene diisocyanate

· Hazard statements

Flammable liquid and vapour. H226

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction.

H350 May cause cancer.

H335-H336 May cause respiratory irritation. May cause drowsiness

or dizziness.

Harmful to aquatic life with long lasting effects. H412

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No

smoking.

P241

Use explosion-proof [electrical/ventilating/

lighting] equipment.

P261

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

P280

Wear protective gloves/protective clothing/eye

protection/face protection/hearing protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all

contaminated clothing. Rinse skin with water [or

shower].

P403+P233

Store in a well-ventilated place. Keep container

tightly closed.

· Additional information:

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: Active substance with propellant.

Mixture consisting of the following components.

· Dangerous components:		
CAS: 28182-81-2	Aliphatisches Polyisocyanat	50-70%
	Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	≥20-≤30%
EINECS: 203-603-9	Flam. Liq. 3, H226; STOT SE 3, H336	
CAS: 64742-95-6	Solvent naphtha (petroleum), light arom.	≥2.5-<10%
	Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336, EUH066	

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	(C	ontd. of page 2
CAS: 108-32-7	Propylene carbonate	<1.5%
EINECS: 203-572-1	Eye Irrit. 2, H319	
CAS: 822-06-0	hexamethylene diisocyanate	<0.1%
EINECS: 212-485-8 Reg.nr.: 01-2119457571-37- 0000	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: $C \ge 0.5 \%$ Skin Sens. 1; H317: $C \ge 0.5 \%$	
· Additional information	For the wording of the listed hazard phrases refer to se	ection 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)

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· 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:

against explosions and fires: Keep ignition sources away - do not smoke.

Protect from heat.

Do not store near heat sources.

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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

· 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: 108-65-6 2-methoxy-1-methylethyl acetate

WEL Short-term value: 548 mg/m³, 100 ppm

Long-term value: 274 mg/m³, 50 ppm

Sk

CAS: 822-06-0 hexamethylene diisocyanate

WEL | Short-term value: 0.07 mg/m³

Long-term value: 0.02 mg/m³

Sen; as -NCO

· DNELs

CAS: 28182-81-2 Aliphatisches Polyisocyanat

Inhalative DNEL 0.5 mg/m³ (Workers) (long term local)

1 mg/m³ (kei) (acute local eff)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Dermal DNEL 153.5 mg/kg bw/day (ArL)

Inhalative DNEL 275 mg/m³ (ArL)

CAS: 822-06-0 hexamethylene diisocyanate

Inhalative DNEL 0.5 mg/m³ (ArL)

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DNEC	(Conta. or page	
PNECs		
	82-81-2 Aliphatisches Polyisocyanat	
PNEC aqu	ua 12.7 μg/l (Daphnia magna) (marine)	
PNEC	38.28 mg/l (kei) (STP)	
CAS: 108	3-65-6 2-methoxy-1-methylethyl acetate	
PNEC	0.635 mg/l (Fresh water)	
	100 mg/l (Kla)	
	0.0635 mg/l (Mew)	
PNEC	0.29 mg/kg dwt (Bod)	
	0.329 mg/kg dwt (Marine water sediment)	
	3.29 mg/kg dwt (Fresh water sediment)	
CAS: 822	2-06-0 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)	
	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 od 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.

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An nicht ausreichend entlüfteten Arbeitsplätzen und bei Spritzverarbeitung Atemschutz erforderlich. Empfohlen werden Frischluftmaske oder für kurzzeitige Arbeiten Kombinationsfilter A2-P2.

Bei Überempfindlichkeit der Atemwege und der Haut (Asthma, chronische Bronchitis, chronische Hautleiden) wird der Umgang

mit dem Produkt abgeraten.

• Hand protection Suitable materials for protective gloves; EN 374:

Butyl rubber - IIR: thickness \geq 0.5mm; breakthrough time \geq 480min. Fluororubber - FKM: thickness \geq 0.4mm; breakthrough time

≥480min.

Multi-layer glove - PE/EVAL/PE; Breakthrough time ≥480 min.

Recommendation: Dispose of contaminated gloves.

Bedingt geeignete Materialien für Schutzhandschuhe; EN 374-3:

Nitrilkautschuk - NBR: Dicke ≥0,35mm

Nur als Spritzschutz geeignet. Nur bei kurzzeitiger Einwirkung geeignet. Bei Kontamination sind die Schutzhandschuhe sofort zu

wechseln.

· Material of gloves The selection of the suitable gloves does not only depend on the

material, but also on further marks of quality and varies from

manufacturer to manufacturer.

Penetration time of glove

material

Butyl rubber - IIR: thickness \geq 0.5mm; breakthrough time \geq 480min. Fluoro rubber - FKM: thickness \geq 0.4mm; breakthrough time

≥480min.

Multi-layer glove - PE/EVAL/PE; Breakthrough time ≥480 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.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Colour: Colourless
 Smell: Solvent-like
 Melting point/freezing point: Not determined

Boiling point or initial boiling point and

boning point of findal boning point and

boiling range

140 °C (CAS: 108-65-6 2-methoxy-1-methylethyl acetate)

· Lower and upper explosion limit

· Lower: 1.5 Vol % (CAS: 108-65-6 2-methoxy-1-

methylethyl acetate)

· Upper: 7 Vol % (CAS: 108-65-6 2-methoxy-1-methylethyl

acetate)

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• Flash point: 48 °C (DIN 51755)

• **Auto-ignition temperature:** 315 °C (CAS: 108-65-6 2-methoxy-1-methylethyl

acetate)

pH Not determined.

· Viscosity:

• Kinematic viscosity at 20 °C 15 s (DIN 53211/4) dynamic: Not determined.

·Solubility

· Water: Hydrolized

• Steam pressure at 20 °C: 4.9 hPa (CAS: 108-65-6 2-methoxy-1-methylethyl

acetate)

· Density and/or relative density

· Density at 20 °C 1.07 g/cm³

· 9.2 Other information

· Appearance:

· Form: Fluid

· Important information on protection of health

and environment, and on safety.

• Self-inflammability: Product is not selfigniting. • Explosive properties: Product is not explosive.

· Information with regard to physical hazard

classes

Explosives Void
Flammable gases Void
Aerosols Void
Oxidising gases Void
Gases under pressure Void

• Flammable liquids Flammable liquid and vapour.

Flammable solids
Self-reactive substances and mixtures
Void
Pyrophoric liquids
Void
Pyrophoric solids
Void
Self-heating substances and mixtures
Void

Substances and mixtures, which emit flammable gases in contact with water Void
Oxidising liquids Void
Oxidising solids Void
Organic peroxides Void
Corrosive to metals Void
Desensitised explosives Void

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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· 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 a	are relevant fo	or classification:

CAS: 28182-81-2 Aliphatisches Polyisocyanat

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

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

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

 Oral
 LD50
 8500 mg/kg (rat)

 Dermal
 LD50
 >2000 mg/kg (rat)

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 May cause cancer.

• Reproductive toxicity
• STOT-single exposure

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

May cause respiratory irritation. May cause drowsiness or

dizziness

• STOT-repeated exposure
• Aspiration hazard

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

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.

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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)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

LC50/96h | 134 mg/l (Oncorhynchus mykiss)

161 mg/l (Pimephales promelas)

EC50 >1000 mg/l (BEL)

EC50/48h >500 mg/l (Daphnia magna)

NOEC 47.5 mg/l (Ory)

EC50/3d >1000 mg/l (Selenastrum capricornutum)

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

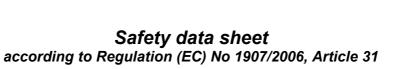
allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Empty contaminated packagings thoroughly. They can be recycled

after thorough and proper cleaning.

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BE SURE. BUILD SURE.

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ion	
UN1993	
FLAMMABLE LIQUID, N.O.S. (2-methoxy-1 methylethyl acetate, ISOPROPYLBENZENE)	
3 (F1) Flammable liquids. 3	
3 Flammable liquids. 3	
III	
No	
Warning: Flammable liquids. 30 F-E, <u>S-E</u> A	
n g to Not applicable.	
5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml	
777 3 D/E	
5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml	



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UN "Model Regulation":

UN 1993 FLAMMABLE LIQUID, N.O.S. (2-METHOXY-1-METHYLETHYL ACETATE,

ISOPROPYLBENZENE), 3, III

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

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.

50.000 t

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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.

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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 (ÚK 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 Carc. 1B: Carcinogenicity - Category 1B

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.