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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.01.2022 Version number 20 Revision: 12.01.2022

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

· 1.1 Product identifier

· Trade name MC-DUR 1200 - Komponente B

908 · Article number:

· 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 Epoxy coating

Hardening agent/ Curing agent

· 1.3 Details of the supplier of the safety data sheet

MC-Bauchemie Müller GmbH & Co. KG Manufacturer/Supplier:

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:

1.4 Emergency telephone

number:

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

Tel.: +48612864565

msds@mc-bauchemie.de

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

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

Acute Tox. 4 H302 Harmful if swallowed.

Skin Corr. 1B H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction.

Aguatic Chronic 3 H412 Harmful to aguatic 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 CLP regulation.

· Hazard pictograms



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· Signal word

Danger

· Hazard-determining

components of labelling: Benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

polymer amine terminated Polyoxypropylenediamine

3,6,9-triazaundecamethylenediamine Bis[(dimethylamino)methyl]phenol

· Hazard statements H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

• **Precautionary statements** P260 Do not breathe dusts or mists.

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

contaminated clothing. Rinse skin with water [or

shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it

before reuse.

· 2.3 Other hazards

Results of PBT and vPvB assessment
 PBT: Not applicable.
 vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

• **Description:** Mixture consisting of the following components.

· Dangerous components:	· Dangerous components:		
CAS: 100-51-6 EINECS: 202-859-9 Reg.nr.: 01-2119492630-38	Benzyl alcohol Acute Tox. 4, H302; Acute Tox. 4, H332	50-70%	
	polymer amine terminated Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B, H317	≥10-<25%	
CAS: 2855-13-2 EINECS: 220-666-8 Reg.nr.: 01-2119514687-32	3-aminomethyl-3,5,5-trimethylcyclohexylamine Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥5-<25%	

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CAS: 9046-10-0	Polyoxypropylenediamine	≥5-<10%
Reg.nr.: 01-2119557899-12	Skin Corr. 1B, H314; Aquatic Chronic 3, H412	
CAS: 112-57-2	3,6,9-triazaundecamethylenediamine	≥2.5-<5%
EINECS: 203-986-2	Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317	
CAS: 90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	<3%
EINECS: 202-013-9 Reg.nr.: 2119560597-27	Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 71074-89-0	Bis[(dimethylamino)methyl]phenol	≥0.1-<1%
	Skin Corr. 1C, H314; Eye Dam. 1, H318; Skin Sens. 1, H317	
. Additional information	For the wording of the listed hazard phrases refer to se	-4: 4C

• 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
 After inhalation
 After skin contact
 After eye contact
 Instantly remove any clothing soiled by the product.
 Supply fresh air; consult doctor in case of symptoms.
 Instantly wash with water and soap and rinse thoroughly.
 Rinse opened eye for several minutes under running water.

Call a doctor immediately.

· After swallowing Drink copious amounts of water and provide fresh air. Instantly call

for doctor.

· 4.2 Most important symptoms and effects, both acute and

delayed No further relevant information available.

· 4.3 Indication of any

immediate medical attention

and special treatment needed No further relevant 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 No further relevant information available.

· 5.3 Advice for firefighters

· **Protective equipment:** Put on breathing apparatus.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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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). Use neutralising agent.

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 Store in cool, dry place in tightly closed containers.

Open and handle container with care.

· Information about protection

against explosions and fires: No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage

· Requirements to be met by

storerooms and containers: No special requirements.

· Information about storage in

one common storage facility: Not required.

· Further information about

storage conditions: Keep container tightly sealed.

• 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Additional information about

design of technical systems: No further data; see item 7.

· Components with critical

values that require

monitoring at the workplace: The product does not contain any relevant quantities of materials

with critical values that have to be monitored at the workplace.

· DNELs			
100-51-6	100-51-6 Benzyl alcohol		
Oral	DNEL	4 mg/kg bw/Tag (ArL)	
		20 mg/kg bw/Tag (Ark)	
Dermal		8 mg/kg bw/day (ArL)	
		40 mg/kg bw/day (Ark)	
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Inhala	tive DNEL	22 mg/m³ (ArL)	,
		110 mg/m³ (Ark)	
2855-	13-2 3-amii	nomethyl-3,5,5-trimethylcyclohexylamine	
Oral	DNEL	0.526 mg/kg bw/Tag (ArL)	
Inhala	tive DNEL	20.1 mg/m³ (ArL)	
9046-	10-0 Polyo	xypropylenediamine	
Oral	DNEL	0.04 mg/kg bw/Tag (ArL)	
Derma	al DNEL	2.5 mg/kg bw/day (ArL)	
112-5	7-2 3,6,9-tr	azaundecamethylenediamine	
Oral	DNEL	0.53 mg/kg bw/Tag (ArL)	
Derma	al DNEL	0.74 mg/kg bw/day (ArL)	
Inhala	tive DNEL	6940 mg/m³ (ArL)	
90-72-	-2 2,4,6-tris	(dimethylaminomethyl)phenol	
Inhala	tive DNEL	0.31 mg/m³ (ArL)	
·PNEC	s		
	1-6 Benzyl		
PNEC	0.527 mg/	(I (Marine water sediment)	
	0.1 mg/l (l	Mew)	
	1 mg/l (Fr	esh water sediment)	
PNEC	0.456 mg/	kg dwt (Bod)	
	5.27 mg/kg dwt (Fresh water sediment)		
2855-	13-2 3-amii	13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
PNEC	0.006 mg/	(Mew)	
	0.06 mg/l	(Suw)	
PNEC	0.578 mg/	kg dwt (Sediment)	
	5.784 mg/	kg dwt (Fresh water sediment)	
9046-	10-0 Polyo	xypropylenediamine	
PNEC	7.5 mg/l (Sewage Treatment Plant)	
	0.015 mg/	l (Fresh water)	
PNEC	0.0176 m	g/kg dwt (Bod)	
	0.125 mg/	kg dwt (Sediment)	
	0.132 mg/	kg dwt (Fresh water sediment)	
112-5	7-2 3,6,9-tr	iazaundecamethylenediamine	
PNEC	9.73 mg/l	(BEL)	
	0.0068 mg	g/l (Fresh water)	
	0.0068 m	g/l (Mew)	
PNEC	0.343 mg/	kg dwt (Sediment)	
	3 43 ma/k	g dwt (Fresh water sediment)	



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90-72-2 2,4,6-tris(dimethylaminomethyl)phenol

PNEC | 0.2 mg/l (Sewage Treatment Plant)

0.0084 mg/l (Mew) 0.084 mg/l (Suw)

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

· 8.2 Exposure controls

· Personal protective equipment

General protective and

Material of gloves

hygienic measures Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

· **Protection of hands:** Protective gloves.

Selection of the glove material on consideration of the penetration

times, rates of diffusion and the degradation

After use of gloves apply skin-cleaning agents and skin cosmetics.

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

· Penetration time of glove

material

The exact break trough time has to be found out by the

manufacturer of the protective gloves and has to be observed.

Nitril ≥ 0,40 mm ≥ 480min

· Eye protection: Safety glasses

Tightly sealed safety glasses.

Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Body protection:

· Appearance:

Form: Fluid
Colour: Yellow
Smell: Characteristic

pH-value: Not applicable.

· Change in condition

Melting point/freezing point: Not determined **Initial boiling point and boiling range:** 205.4 °C

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Flash point:	101 °C	
· Ignition temperature:	380 °C	
· Self-inflammability:	Product is not selfigniting.	
· Explosive properties:	Product is not explosive.	
· Critical values for explosion: Lower: Upper:	1.3 Vol % 13.0 Vol %	
· Steam pressure at 20 °C:	0.13 hPa	
· Density at 20 °C	1.03 g/cm³	
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix	
· 9.2 Other information	No further relevant information available.	

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 No dangerous reactions known

• 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 toxicological effects
- · Acute toxicity Harmful if swallowed.

LD/LC50 values that are relevant for classification:		
100-51-6 Benzyl alcohol		
Oral	LD50	1230 mg/kg (rat)
	NOAEL 2nd year study	200 mg/kg (mouse)
		200 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>4178 mg/l (rat)
2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	LD50	1030 mg/kg (rat)
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	NOAEL	250 mg/kg (rat)
Dermal	LD50	1840 mg/kg (rabbit)
		>2000 mg/kg (rat)
9046-10-0	Polyoxypropylenediar	nine
Oral	LD50	2855 mg/kg (Rat)
Dermal	LD50	2980 mg/kg (Kan)
112-57-2	3,6,9-triazaundecameth	ylenediamine
Oral	LD50	2140 mg/kg (rat)
Dermal	LD50	1260 mg/kg (rabbit)
90-72-2 2,	4,6-tris(dimethylamino	methyl)phenol
Oral	LD50	2169 mg/kg (rat)
	NOAEL	15 mg/kg (rat)

· Primary irritant effect:

Skin corrosion/irritation Causes severe skin burns and eye damage.

· Serious eye damage/irritation Causes serious eye damage.

· Respiratory or skin

sensitisation May cause an allergic skin reaction.

Additional toxicological information:

· CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

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

SECTION 12: Ecological information

· 12 1 Toxicity

Aquatic toxicity:	
100-51-6 E	Benzyl alcohol
IC50/72h	700 mg/l (algae)
LC50/96h	460 mg/l (Pimephales promelas)
	10 mg/l (Lepomis macrochirus)
2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine
LC50/96h	110 mg/l (Leucidus idus)
EC50	1120 mg/l (Pseudomonas putida)
EC50/48h	23 mg/l (Daphnia magna)
NOEC	1.5 mg/l (Desmodesmus subspicatus)
	3 mg/l (Daphnia magna)
ErC50/72h	>50 mg/l (Desmodesmus subspicatus)
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112-57-2 3,6,9-triazaundecamethylenediamine		
EC50/72h	2.1 mg/l (algae)	
LC50/96h	420 mg/l (Gup)	
EC50/48h 24.1 mg/l (Daphnia magna)		
90-72-2 2,4,6-tris(dimethylaminomethyl)phenol		
EC50/72h	84 mg/l (Desmodesmus subspicatus)	
LC50/96h	175 mg/l (Cyp)	
NOEC	2 mg/l (BEL)	
	6.25 mg/l (Desmodesmus subspicatus)	

12.2 Persistence and

degradability No further relevant information available.

· 12.3 Bioaccumulative

No further relevant information available. potential · 12.4 Mobility in soil No further relevant information available.

· Additional ecological information:

Do not allow product to reach ground water, water bodies or · General notes:

sewage system.

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

· 12.5 Results of PBT and vPvB assessment Not applicable. · PBT: Not applicable. · vPvB:

No further relevant information available. · 12.6 Other adverse effects

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.

	•		
· Europea	· European waste catalogue		
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS		
08 01 00	wastes from MFSU and removal of paint and varnish		
08 01 11	waste paint and varnish containing organic solvents or other dangerous substances		

· Uncleaned packagings:

Recommendation: Empty contaminated packagings thoroughly. They can be recycled

after thorough and proper cleaning.

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14.1 UN-Number ADR, IMDG, IATA	UN2289
14.2 UN proper shipping name ADR, IMDG, IATA	ISOPHORONEDIAMINE
14.3 Transport hazard class(es)	
ADR Class Label	8 (C7) Corrosive substances. 8
IMDG, IATA Class Label	8 Corrosive substances. 8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	no No
14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category Segregation Code	Warning: Corrosive substances. 80 F-A,S-B A SG35 Stow "separated from" SGG1-acids
14.7 Transport in bulk according to An of Marpol and the IBC Code	nex II Not applicable.
Transport/Additional information:	
ADR Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 100 ml
Transport category Tunnel restriction code	3 <i>E</i>
IMDG Limited quantities (LQ) Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IATA Remarks:	Passagierflugzeug: Verpackungsvorschrift 818 (Einzelverpackungen nicht erlaubt Verpackungsgruppe II



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Frachtflugzeug: Verpackungsvorschrift 820
 UN "Model Regulation":
 UN 2289 ISOPHORONEDIAMINE, 8, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/ legislation specific for the

substance or mixture No further relevant information available.

· Directive 2012/18/EU · REGULATION (EC) No

1907/2006 ANNEX XVII Conditions of restriction: 3

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· 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 H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H411 Toxic to aquatic life with long lasting effects.

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H412 Harmful to aquatic life with long lasting effects.

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 (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4 Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Corr. 1C: Skin corrosion/irritation - Category 1C Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation - Category 1 Skin Sens. 1B: Skin sensitisation - Category 1B

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.