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

Printing date 13.05.2023 Version number 23 (replaces version 22) Revision: 13.05.2023

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

· 1.1 Product identifier

· Trade name MC-Fastpack EP solid - Komponente B

2901 · 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 Epoxy impregnation

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:

msds@mc-bauchemie.de

· 1.4 Emergency telephone

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

Tel.: +48612864565

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

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

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

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

STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.

Aguatic 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.

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· Hazard pictograms





GHS05 GHS07 GHS08

· Signal word Danger

· Hazard-determining

components of labelling: 1,3-Cyclohexanedimethanamine

crystalline silica

polymer amine terminated

2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Formaldehyde, polymers with diethylenetriamine and styrenated

phenol

m-phenylenebis(methylamine)

· Hazard statements H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H372 Causes damage to organs through prolonged or repeated

exposure.

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 Mixtures

• **Description:** Binding agent with colouring agents.

Mixture consisting of the following components.

Dangerous components:		
CAS: 14808-60-7	crystalline silica	30-60%
	STOT RE 1, H372	
CAS: 2579-20-6	1,3-Cyclohexanedimethanamine	≥10-<25%
EINECS: 219-941-5	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox.	
Reg.nr.: 01-2119543741-41-	4, H312; Skin Sens. 1, H317; Aquatic Chronic 3,	
xxxx	H412	
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CAS: 61788-44-1	(Co 2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid	≥10-<25%
EINECS: 262-975-0	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	
	polymer amine terminated	≥3-<10%
	Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B, H317	
CAS: 100-51-6	Benzyl alcohol	<10%
	Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	
CAS: 69-72-7	salicylic acid	≥1-<2.5%
EINECS: 200-712-3	Repr. 2, H361d; Eye Dam. 1, H318; Acute Tox. 4, H302	
CAS: 1293368-66-7	Formaldehyde, polymers with diethylenetriamine and styrenated phenol	≥1-<2.5%
	Skin Corr. 1B, H314; Eye Dam. 1, H318; Skin Sens. 1, H317	
CAS: 2855-13-2	3-aminomethyl-3,5,5-trimethylcyclohexylamine	≥0.1-<1%
EINECS: 220-666-8 Reg.nr.: 01-2119514687-32	Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1A, H317 ATE: LD50 oral: 1030 mg/kg	
	Specific concentration limit: Skin Sens. 1A; H317: C ≥0.001 %	
CAS: 1477-55-0	m-phenylenebis(methylamine)	≥0.1-<1%
EINECS: 216-032-5 Reg.nr.: 01-2119480150-50	Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317; Aquatic Chronic 3, H412	

SECTION 4: First aid measures

· 4.1 Description of first aid measures

After inhalation
 After skin contact
 After eye contact
 Supply fresh air and call for doctor for safety reasons.
 Instantly wash with water and soap and rinse thoroughly.
 Rinse opened eye for several minutes under running water.

Seek medical treatment.

· After swallowing Rinse out mouth and then drink plenty of water.

Instantly call for doctor.

· 4.2 Most important symptoms and effects, both acute and

delayed No further relevant information available.

Danger Danger of gastric perforation.

· 4.3 Indication of any

immediate medical attention

and special treatment needed No further relevant information available.

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SECTION 5: Firefighting measures

· 5.1 Extinguishing media

• Suitable extinguishing agents CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· For safety reasons unsuitable

extinguishing agents

Water with a full water jet.

• 5.2 Special hazards arising from the substance or

mixture

Can be released in case of fire

Carbon monoxide (CO) Nitrogen oxides (NOx)

(Traces)

· 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

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water. Inform respective authorities in case product reaches water or

sewage system.

· 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.

· 6.4 Reference to other

sections

See Section 8 for information on personal protection equipment.

See Section 7 for information on safe handling

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: Store away from foodstuffs.

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· Further information about

storage conditions: Protect from heat and direct sunlight.

Keep container tightly sealed.

Storage class 6.1C

· 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: The product does not contain any relevant quantities of materials

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

·DNELs		with chitical values that have to be monitored at the workplace.	
	6 1.3-Cv	vclohexanedimethanamine	
	ive DNEL 0.00947 mg/m³ (Workers)		
100-51-6			
Oral DNEL 4 mg/kg bw/Tag (ArL)			
		20 mg/kg bw/Tag (Ark)	
Dermal	DNEL	8 mg/kg bw/day (ArL)	
		40 mg/kg bw/day (Ark)	
Inhalative	DNEL	22 mg/m³ (ArL)	
		110 mg/m³ (Ark)	
2855-13-2	2 3-amii	nomethyl-3,5,5-trimethylcyclohexylamine	
Oral	DNEL	0.526 mg/kg bw/Tag (ArL)	
Inhalative	DNEL	20.1 mg/m³ (ArL)	
1477-55-0	m-phe	enylenebis(methylamine)	
Dermal			
Inhalative	alative DNEL 1.2 mg/m³ (Workers)		
·PNECs			
2579-20-0	6 1,3-Cy	rclohexanedimethanamine	
PNEC 0.	PNEC 0.003 mg/l (Mew)		
PNEC 0.	EC 0.033 mg/l (Fresh water)		
100-51-6	Benzyl	alcohol	
PNEC 0.	0.527 mg/l (Marine water sediment)		
0.	0.1 mg/l (Mew)		
1	1 mg/l (Fresh water sediment)		
PNEC 0.	0.456 mg/kg dwt (Bod)		
5.	5.27 mg/kg dwt (Fresh water sediment)		
2855-13-2	2 3-amii	nomethyl-3,5,5-trimethylcyclohexylamine	
PNEC 0.	0.006 mg/l (Mew)		

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0.06 mg/l (Suw)

PNEC 0.578 mg/kg dwt (Sediment)

5.784 mg/kg dwt (Fresh water sediment)

1477-55-0 m-phenylenebis(methylamine)

PNEC 10 mg/l (Kla)

0.009 mg/l (Mew) 0.094 mg/l (Suw)

PNEC 0.045 mg/kg dwt (Bod)

0.43 mg/kg dwt (Marine water sediment) 0.43 mg/kg dwt (Fresh water sediment)

• 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 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.

· Hand protection 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.

• 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. 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.

· 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.

• Eye/face protection Safety glasses

Tightly sealed safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour: Black · Smell: Amine-like

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Melting point/freezing point: Not determined

Boiling point or initial boiling point and

boiling range 205 °C · Flash point: 101 °C · Auto-ignition temperature: 380 °C

pH Not determined.

· Viscosity:

Kinematic viscositydynamic at 20 °C:Not determined.40000 mPas

Solubility

· Water: Partly miscible

· Steam pressure at 20 °C: 0.1 hPa

Density and/or relative density

Density at 20 °C 1.5 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. However, formation of

explosive air/steam mixtures is possible.

· Information with regard to physical hazard

classes

Explosives
Flammable gases
Aerosols
Oxidising gases
Gases under pressure
Flammable liquids
Flammable solids
Self-reactive substances and mixtures

Void

Pyrophoric liquids
 Pyrophoric solids
 Self-heating substances and mixtures

Void

· Substances and mixtures, which emit

flammable gases in contact with water

Void Void Void Void

Organic peroxides VoidCorrosive to metals Void

· Oxidising liquids

· Oxidising solids

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· 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 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 hazard classes as defined in Regulation (EC) No 1272/2008

2579-20-6	1,3-Cyclohexanedimet	thanamine	
Oral	LD50	700 mg/kg (rat)	
Dermal	LD50	1700 mg/kg (rat)	
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)	
69-72-7 sa	alicylic acid		
Oral	LD50	891 mg/kg (rat)	
Dermal	LD50	>2000 mg/kg (rat)	
2855-13-2	3-aminomethyl-3,5,5-t	rimethylcyclohexylamine	
Oral	LD50	1030 mg/kg (ATE)	
		1030 mg/kg (rat)	
	NOAEL	250 mg/kg (rat)	
Dermal	LD50	1840 mg/kg (rabbit)	
		>2000 mg/kg (rat)	
1477-55-0	m-phenylenebis(meth	ylamine)	
Oral	LD50	1180 mg/kg (mouse)	



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| 930 mg/kg (rat) | 930 mg/kg (rat) | >3100 mg/kg (rabbit) | 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.

Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT-single exposure
 STOT-repeated exposure
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Based on available data, the classification criteria are not met.
 Causes damage to organs through prolonged or repeated

exposure.

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

· 11.2 Information on other hazards

· Endocrine disrupting properties			
61788-44-1	2,4,6-Tris-(1-Phenyl-Ethyl) carbolic acid	List II	
69-72-7	salicylic acid	List II; III	

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic to	•
<u> </u>	1,3-Cyclohexanedimethanamine
EC50/24h	90 mg/l (Pseudokirchneriella subcapitata)
EC50	90 mg/l (Pseudomonas putida)
LC50/48h	130 mg/l (Leucidus idus)
100-51-6 B	enzyl 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)
1477-55-0	m-phenylenebis(methylamine)
IC50/72h	12 mg/l (algae)
EC50/72h	12 mg/l (Scenedesmus subspicatus)
LC50/96h	>100 mg/l (Oncorhynchus mykiss)
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87.6 mg/l (Ory)

EC50/48h | 15.2 mg/l (Daphnia magna)

· 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 For information on endocrine disrupting properties see section 11.

· 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.

14.1 UN number or ID number	
ADR, IMDG, IATA	UN2735
14.2 UN proper shipping name	
ADR, IMDG, IATA	AMINES, LIQUID, CORROSIVE, N.O.S. (1, Cyclohexanedimethanamine)
14.3 Transport hazard class(es)	
ADR	
Class	8 (C7) Corrosive substances.
Label	8
IMDG, IATA	
Class	8 Corrosive substances.
Label	8

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14.4 Packing group ADR, IMDG, IATA	II
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user Kemler Number: EMS Number: Segregation groups Stowage Category Segregation Code	Warning: Corrosive substances. 80 F-A,S-B (SGG18) Alkalis A SG35 Stow "separated from" SGG1-acids
14.7 Maritime transport in bulk accordi IMO instruments	i ng to Not applicable.
Transport/Additional information:	
· ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 n 2
Tunnel restriction code	E
IMDG Limited quantities (LQ) Excepted quantities (EQ)	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 n
UN "Model Regulation":	UN 2735 AMINES, LIQUID, CORROSIVE, N.O. (1,3-CYCLOHEXANEDIMETHANAMINE), 8, II

SECTION 15: Regulatory information

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

No further relevant information available. · 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.

H302 Harmful if swallowed. · Relevant phrases

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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.

H361d Suspected of damaging the unborn child.

H372 Causes damage to organs through prolonged or repeated

H411 Toxic to aquatic life with long lasting effects.

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 (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

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1B: Skin corrosion/irritation - Category 1B 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. 1A: Skin sensitisation - Category 1A

Skin Sens. 1B: Skin sensitisation - Category 1B Repr. 2: Reproductive toxicity - Category 2

STOT RE 1: Specific target organ toxicity (repeated exposure) – 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.