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Safety data sheet

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

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

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

· 1.1 Product identifier		
· Trade name	MC-DUR 2095 ESD - Komponente A	
 Article number: 1.2 Relevant identified uses of the substance or mixture and uses advised against Application of the substance 	2387 No further relevant information available.	
/ the mixture	Coating	
• 1.3 Details of the supplier of t • Manufacturer/Supplier:	the safety data sheet 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: 1.4 Emergency telephone number: 	msds@mc-bauchemie.de Tel.: +49 / (0)700 24112112 (MCR) Tel.: +1 872 5888271 (MCR)	
SECTION 2: Hazards identification		
• 2.1 Classification of the subs • Classification according to R Skin Irrit. 2 H315 Causes ski Eve Irrit. 2 H310 Causes set	egulation (EC) No 1272/2008 n irritation.	
Eye Irrit. 2 H319 Causes ser Skin Sens. 1 H317 May cause	-	

· 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



Warning

· Signal word

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· Hazard-determining		
components of labelling:	Mica	
	2-Methyl-2H-iso	othiazol-3-one
	1,2-benzisothia	zol-3(2H)-one
	Mixture of: 5-ch	loro-2-methyl-2H-isothiazol-3-one and 2-methyl-2
	isothiazol-3-one	e (3:1)
· Hazard statements	H315 Causes s	kin irritation.
	H319 Causes s	erious eye irritation.
	H317 May caus	se an allergic skin reaction.
· Precautionary statements	P261	Avoid breathing dust/fume/gas/mist/vapou spray.
	P280	Wear protective gloves / eye protection / faprotection.
	P305+P351+P3	338 [°] IF IN EYES: Rinse cautiously with water several minutes. Remove contact lenses present and easy to do. Continue rinsing.
	P332+P313	If skin irritation occurs: Get medical advi attention.
	P333+P313	If skin irritation or rash occurs: Get medi advice/attention.
	P337+P313	If eye irritation persists: Get medical advi- attention.
Additional information:		ng! Hazardous respirable droplets may be form sprayed. Do not breathe spray or mist.
		idal products: 1,2-benzisothiazol-3(2H)-one,
		thiazol-3-one, Mixture of: 5-chloro-2-methyl-2
		e and 2-methyl-2H-isothiazol-3-one (3:1)
· 2.3 Other hazards		
· Results of PBT and vPvB as	ssessment	
· 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: 12001-26-2 Mica Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317



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CAS: 13463-67-7	Titanium dioxide	≥1-<10%
EINECS: 236-675-5	Carc. 2, H351	
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	<0.025%
EINECS: 220-120-9	Acute Tox. 2, H330; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥0.05 %	
CAS: 2682-20-4	2-Methyl-2H-isothiazol-3-one	<i>≥</i> 0.0015-<0.025%
EINECS: 220-239-6	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1B, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C≥ 0.0015 %	
CAS: 55965-84-9	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one	<i>≥</i> 0.00025-<0.0015%
	and 2-methyl-2H-isothiazol-3-one (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1C, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: $C \ge 0.6$ % Skin Irrit. 2; H315: 0.06 % \le C < 0.6 % Eye Dam. 1; H318: C \ge 0.6 % Eye Irrit. 2; H319: 0.06 % \le C < 0.6 % Skin Sens. 1A; H317: C \ge 0.0015 %	
· 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.

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

No further relevant information available.

- 5.2 Special hazards arising from the substance or mixture
 5.3 Advice for firefighters
- · Protective equipment:
- No special measures required.

SECTION 6: Accidental release measures

 6.1 Personal precautions, protective equipment and 	
emergency procedures	Not required.
· 6.2 Environmental	
precautions:	Dilute with much water.
6.3 Methods and material for	
containment and cleaning up:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
· 6.4 Reference to other	
sections	No dangerous materials are released.

SECTION 7: Handling and storage

· 7.1 Precautions for safe Ensure sufficient air exchange and/or extraction in the work areas. handling 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 (Contd. on page 5)



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· Information about protection	immediately. (Contd. of page 4)
against explosions and fires:	Keep ignition sources away - do not smoke. Protect from heat. Do not store near heat sources.
 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: 	- ,
· Further information about	classes up to 200 kg.
storage conditions:	None.
 Storage class 7.3 Specific end use(s) 	10 No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control p	arameters				
· Components	• Components with critical values that require monitoring at the workplace:				
CAS: 12001-2	26-2 Mica				
OEL (Ireland)	nd) Long-term value: 3 mg/m³ respirable fraction				
· Additional in	formation:	The lists that were valid during the compilation were used as basis.			
 8.2 Exposure Appropriate e controls 		No further data; see section 7.			
•		ires, such as personal protective equipment			
 General prote 	ective and				
hygienic mea	sures	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 eq	uipment:	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- (Contd. on page 6)			



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	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 ≥0.5mm; breakthrough time ≥480min.
	Fluororubber - FKM: thickness ≥0.4mm; breakthrough time ≥480min.
	Multi-layer glove - PE/EVAL/PE ; Breakthrough time ≥480 min.
	Recommendation: Dispose of contaminated gloves.
· 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 ≥0.5mm; breakthrough time ≥480min. Fluoro rubber - FKM: thickness ≥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

General Information		
Colour:	Different according to colour	
Smell:	neutral	
Melting point/freezing point:	Not determined	
Boiling point or initial boiling point and		
boiling range	100 °C (CAS: 7732-18-5 Water)	
Flash point:	>100 °C	
pH at 20 °C	7	
Viscosity:		
Kinematic viscosity	Not determined.	
dynamic at 20 °C:	1500 mPas	
Solubility		
Water:	Fully miscible	
Steam pressure at 20 °C:	23 hPa (CAS: 7732-18-5 Water)	
Density and/or relative density	, , ,	
Density at 20 °C	1.3 g/cm³	



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9.2 Other information		
Appearance:		
Form:	Fluid	
Important information on protection of hea and environment, and on safety.	alth	
Self-inflammability:	Product is not selfigniting.	
Explosive properties:	Product is not explosive.	
Information with regard to physical haz classes	ard	
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	
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	

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

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SECTION 11: Toxicological information 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 Based on available data, the classification criteria are not met. Acute toxicity · LD/LC50 values that are relevant for classification: CAS: 13463-67-7 Titanium dioxide >5000 mg/kg (rat) Oral LD50 LD50 Dermal >10000 mg/kg (rabbit) Inhalative LC50/4 h >6.8 mg/l (rat) CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one Oral LD50 1020 mg/kg (rat) LD50 Dermal >2000 mg/kg (rat) CAS: 2682-20-4 2-Methyl-2H-isothiazol-3-one LD50 Oral 50-300 mg/kg (rat) Inhalative LC50/4 h 0.11 mg/l (rat) CAS: 55965-84-9 Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2Hisothiazol-3-one (3:1) Oral LD50 49.6-75 mg/kg (rat) Dermal LD50 87.12 mg/kg (rabbit) Inhalative LC50/4 h 0.171 mg/l (rat) Primary irritant effect: Causes skin irritation. · Skin corrosion/irritation · Serious eye damage/irritation Causes serious eye irritation. · 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 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 CAS: 556-67-2 octamethylcyclotetrasiloxane List II

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:
- CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

EC50/72h 0.067 mg/l (Pseudokirchneriella subcapitata)

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	0.11 mg/l (Selenastri	um capricornutum)	
LC50/96h	1.6 mg/l (Oncorhynchus mykiss)		
EC50/48h	1.1 mg/l (Daphnia magna)		
CAS: 2682	2-20-4 2-Methyl-2H-isothiazol-3-one		
EC50/72h	0.157 mg/l (Pseudokirchneriella subcapitata)		
LC50/96h	6 mg/l (Oncorhynchı	is mykiss)	
EC50/48h	1.68 mg/l (Daphnies,		
CAS: 5596	5-84-9 Mixture of: isothiazol-3-	5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H- one (3:1)	
LC50/24h	0.19 mg/l (fish)		
	• • •	rirchneriella subcapitata)	
	• •	• •	
	0.19 mg/l (Oncorhynchus mykiss) 0.28 mg/l (fish)		
	0.16 mg/l (Daphnia magna)		
NOEC	0.02 mg/l (Oncorhynchus mykiss)		
NOLC			
	0.00049 mg/l (Ske)		
· 12.2 Persi	0.1 mg/l (Daphnia magna)		
degradabi		No further relevant information available.	
	cumulative	no future relevant information available.	
potential		No further relevant information available.	
· 12.4 Mobil		No further relevant information available.	
	Its of PBT and vPvB		
· PBT: · vPvB:		Not applicable. Not applicable.	
	crine disrupting		
properties		For information on endocrine disrupting properties see section 11.	
12.7 Other	r adverse effects		
	l ecological informa		
· General n	otes:	Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.	

SECTION 13: Disposal considerations

Recomm	endation Must not be disposed of together with household garbage. Do allow product to reach sewage system.	no
Europear	n waste catalogue	
08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFS OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVE SEALANTS AND PRINTING INKS	:U) :S,
08 01 00	wastes from MFSU and removal of paint and varnish	



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08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances		
HP13	Sensitising		
· Recomme	d packagings: endation: ended cleaning	Disposal must be made according to official regulations. Water, if necessary with cleaning agent.	

SECTION 14: Transport information

 14.1 UN number or ID number ADR, ADN, IMDG, IATA 	Void
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 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.
• Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

 15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture REGULATION (EC) No 1907/2006 ANNEX XVII 	No further relevant information available. 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	<i>I.</i>			
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· 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

- Toxic if swallowed. H301
- Harmful if swallowed. H302
- Fatal in contact with skin. H310
- H311 Toxic in contact with skin.
- Causes severe skin burns and eye damage. H314
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- Causes serious eye irritation. H319
- H330 Fatal if inhaled.
- Suspected of causing cancer. H351
- H400 Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects. H410
- EUH071 Corrosive to the respiratory tract.

· Department issuing data specification sheet:

Environment protection department. 18.10.2021

- Date of previous version: · Version number of previous
- version:

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· 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

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	(Contd. of page 11) <i>ELINCS: European List of Notified Chemical Substances</i> <i>CAS: Chemical Abstracts Service (division of the American Chemical Society)</i> <i>LC50: Lethal concentration, 50 percent</i> <i>LD50: Lethal dose, 50 percent</i> <i>PBT: Persistent, Bioaccumulative and Toxic</i> <i>vPvB: very Persistent and very Bioaccumulative</i> <i>Acute Tox. 3: Acute toxicity – Category 3</i> <i>Acute Tox. 4: Acute toxicity – Category 4</i> <i>Acute Tox. 2: Acute toxicity – Category 2</i>
	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. 1A: Skin sensitisation – Category 1A Carc. 2: Carcinogenicity – Category 2
• * Data compared to the previous version altered.	Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1