



BE SURE. BUILD SURE.

Page 1/12

Safety data sheet according to UK REACH

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:** 2387

· **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**

Coating

· **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**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

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

· **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**



GHS07

· **Signal word**

Warning

(Contd. on page 2)

GB



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 1)

- **Hazard-determining components of labelling:** Mica
2-Methyl-2H-isothiazol-3-one
1,2-benzisothiazol-3(2H)-one
Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
- **Hazard statements** H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
- **Precautionary statements** P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
- **Additional information:** EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
Contains biocidal products: 1,2-benzisothiazol-3(2H)-one, 2-Methyl-2H-isothiazol-3-one, Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)
- **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: 12001-26-2	Mica Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-30%
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(Contd. on page 3)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

		(Contd. of page 2)
CAS: 13463-67-7 EINECS: 236-675-5	Titanium dioxide Carc. 2, H351	≥1-<10%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one 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 %	<0.025%
CAS: 2682-20-4 EINECS: 220-239-6	2-Methyl-2H-isothiazol-3-one 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 %	≥0.0015-<0.025%
CAS: 55965-84-9 EC number: 911-418-6	Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one 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 ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Eye Dam. 1; H318: C ≥ 0.6 % Eye Irrit. 2; H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.00025-<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.

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/12

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 3)

- **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.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **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 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

(Contd. on page 5)

GB



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 4)

- **Information about protection against explosions and fires:** immediately.
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:** May be stored together with hazardous substances of other classes up to 200 kg.
- **Further information about storage conditions:** None.
- **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: 12001-26-2 Mica

WEL	Long-term value: 10* 0.8** mg/m ³ *total inhalable **respirable
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· **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-

(Contd. on page 6)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 5)

- **Hand protection**
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.
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 $\geq 480\text{ min}$.
- **Material of gloves**
Recommendation: Dispose of contaminated 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 $\geq 0.5\text{mm}$; 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.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic 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

(Contd. on page 7)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 6)

· 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

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

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

GB

(Contd. on page 8)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 7)

SECTION 11: Toxicological information

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

· **Acute toxicity** Based on available data, the classification criteria are not met.

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

CAS: 13463-67-7 Titanium dioxide

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>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)
Dermal	LD50	>2000 mg/kg (rat)

CAS: 2682-20-4 2-Methyl-2H-isothiazol-3-one

Oral	LD50	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-2H-isothiazol-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:**

· **Skin corrosion/irritation** Causes skin 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)

(Contd. on page 9)



BE SURE. BUILD SURE.

**Safety data sheet
according to UK REACH**

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 8)

	0.11 mg/l (<i>Selenastrum capricornutum</i>)
LC50/96h	1.6 mg/l (<i>Oncorhynchus mykiss</i>)
EC50/48h	1.1 mg/l (<i>Daphnia magna</i>)
CAS: 2682-20-4 2-Methyl-2H-isothiazol-3-one	
EC50/72h	0.157 mg/l (<i>Pseudokirchneriella subcapitata</i>)
LC50/96h	6 mg/l (<i>Oncorhynchus mykiss</i>)
EC50/48h	1.68 mg/l (<i>Daphnies</i>)
CAS: 55965-84-9 Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	
LC50/24h	0.19 mg/l (fish)
EC50/72h	0.027 mg/l (<i>Pseudokirchneriella subcapitata</i>)
LC50/96h	0.19 mg/l (<i>Oncorhynchus mykiss</i>)
LC50/48h	0.28 mg/l (fish)
EC50/48h	0.16 mg/l (<i>Daphnia magna</i>)
NOEC	0.02 mg/l (<i>Oncorhynchus mykiss</i>)
	0.00049 mg/l (Ske)
	0.1 mg/l (<i>Daphnia magna</i>)

- **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 undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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:** Disposal must be made according to official regulations.

(Contd. on page 10)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 9)

· **Recommended cleaning agent:**

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**

No further relevant information available.

· **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.

(Contd. on page 11)



BE SURE. BUILD SURE.

Safety data sheet according to UK REACH

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 10)

· **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**

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic 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.
- H330 Fatal if inhaled.
- H351 Suspected of causing cancer.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.

· **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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Acute Tox. 2: Acute toxicity – Category 2
- 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
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

(Contd. on page 12)



BE SURE. BUILD SURE.

Page 12/12

**Safety data sheet
according to UK REACH**

Printing date 14.04.2025

Version number 45 (replaces version 44)

Revision: 14.04.2025

Trade name MC-DUR 2095 ESD - Komponente A

(Contd. of page 11)

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

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

GB