



BE SURE. BUILD SURE.

Page 1/8

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 30


Revision: 10.12.2024

1 Identification of the hazardous chemical and of the supplier

- **Product identifier**
- **Trade name** MC-Proof one
- **Recommended use of the chemical and restrictions on use** No further relevant information available.
- **Application of the substance / the mixture** Sealing
- **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

2 Hazard identification

- **Classification of the substance or mixture**
Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

GHS08
- **Signal word** Warning
- **Hazard-determining components of labelling:** Titanium Dioxide
- **Hazard statements** H351 Suspected of causing cancer. Route of exposure: Inhalation.
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements** P201 Obtain special instructions before use.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
P308+P313 IF exposed or concerned: Get medical advice/attention.

(Contd. on page 2)

MY



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Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 30

Revision: 10.12.2024

Trade name MC-Proof one

(Contd. of page 1)

P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition and information of the ingredients of the hazardous chemical

- **Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 13463-67-7	Titanium Dioxide Carc. 2, H351	≥1-<1.5%
CAS: 1314-13-2	zinc oxide Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥0.025-<0.25%
CAS: 68610-51-5	phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene Repr. 2, H361; Aquatic Chronic 4, H413	<0.5%
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≥0.00025-<0.0015%

- **Additional information** For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**
- **General information** For all first aid measures: observe self-protection and consult a doctor!
- **After inhalation** Take the person out into the fresh air.
- **After skin contact** Remove heavily soiled clothing.
Clean with plenty of water.
Do not use thinner or similar.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open or use eye rinsing solution. Always consult an ophthalmologist!
- **After swallowing** Do not induce vomiting.
Drink plenty of water in small sips.



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Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 30

Revision: 10.12.2024

Trade name MC-Proof one

(Contd. of page 2)

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Inform respective authorities in case product reaches water or sewage system.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **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.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** Open and handle container with care.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Protect containers from frost!
Only store in the original container or in containers recommended by the manufacturer.
After decanting, label containers as original containers.
Do not store in break rooms, recreation rooms or sanitary facilities as well as in stairwells, corridors, escape and rescue routes, passages, passageways and confined spaces.
- **Further information about storage conditions:** None.
- **Storage class** 12

MY

(Contd. on page 4)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 30

Revision: 10.12.2024

Trade name MC-Proof one

(Contd. of page 3)

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **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.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**
 - Do not store any foodstuffs or eat, drink, snuff or smoke in the work area!
 - Avoid contact with eyes and skin!
 - Preventively apply skin protection ointment to facilitate skin cleansing.
 - Remove product residues from the skin!
 - Clean hands thoroughly at the end of work and before cleaning!
 - Remove product residues from the skin with a suitable cleaning agent - never use solvents or thinners to clean the skin!
 - Use skin care products after work (moisturising cream).
- **Breathing equipment:** For spraying processes:
 - Particle filter P2 (white)
- **Protection of hands:** Gloves made of: Natural latex, polychloroprene, nitrile rubber. (Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number).
 - When wearing protective gloves, cotton undergloves are recommended.
 - Natural latex, polychloroprene, nitrile rubber.
- **Material of gloves**
- **Penetration time of glove material**
 - The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.
- **Eye protection:** Frame glasses
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Pasty
 - Colour:** Grey
 - Smell:** Characteristic

(Contd. on page 5)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

Version number 30

Revision: 10.12.2024

Trade name MC-Proof one

(Contd. of page 4)

· Odour threshold:	Not determined.
· pH-value at 20 °C:	7-8
· Change in condition Melting point/freezing point	Not determined
Initial boiling point and boiling range	100 °C
· Flash point:	Not applicable
· Flammability	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature	Product is not selfigniting.
· Explosive properties:	Product is not explosive.
· Critical values for explosion: Lower:	Not determined.
Upper:	Not determined.
· Steam pressure at 20 °C:	23 hPa
· Density at 20 °C	1.15 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient: n-octanol/water	Not determined.
· Viscosity: dynamic at 20 °C:	46000 mPas
kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and reactivity

· Reactivity	No further relevant information available.
· Chemical stability	
· Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
· Possibility of hazardous reactions	No dangerous reactions known
· Conditions to avoid	No further relevant information available.
· Incompatible materials:	No further relevant information available.
· Hazardous decomposition products:	No dangerous decomposition products known

MY

(Contd. on page 6)



BE SURE. BUILD SURE.

Safety Data Sheet
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Revision: 10.12.2024

Trade name MC-Proof one

(Contd. of page 5)

11 Toxicological information

- Information on toxicological effects
- Acute toxicity

· 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: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (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:
- Serious eye damage or eye irritation No irritant effect.
- Respiratory / skin sensitization No sensitizing effect known.
- Additional toxicological information:
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) Carc. 2

12 Ecological information

- Toxicity

· Aquatic toxicity:

CAS: 55965-84-9 reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

LC50/24h	0.19 mg/l (fish)
EC50/72h	0.027 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	0.19 mg/l (Oncorhynchus mykiss)
LC50/48h	0.28 mg/l (fish)
EC50/48h	0.16 mg/l (Daphnia magna)
NOEC	0.02 mg/l (Oncorhynchus mykiss)
	0.00049 mg/l (Ske)
	0.1 mg/l (Daphnia magna)

- Persistence and degradability No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.

(Contd. on page 7)



BE SURE. BUILD SURE.

Safety Data Sheet according to P.U.(A) 310/2013

Printing date 10.12.2024

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Trade name MC-Proof one

(Contd. of page 6)

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:** Harmful to aquatic organisms
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal information

- **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.

14 Transportation information

- | | |
|---|-----------------|
| · UN-Number | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

MY

(Contd. on page 8)



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Trade name MC-Proof one

(Contd. of page 7)

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **EHS reference list**

CAS: 1314-13-2	zinc oxide
CAS: 55965-84-9	reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** *None of the ingredients is listed.*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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.

- **Department issuing data specification sheet:** *Environment protection department.*
- **Contact:**
- **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
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 - oral – Category 3
Acute Tox. 2: Acute toxicity - oral – Category 2
Skin Corr. 1: Skin corrosion or irritation – Category 1
Eye Dam. 1: Serious eye damage or eye irritation – Category 1
Skin Sens. 1: Skin sensitization – Category 1
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - chronic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - chronic hazard – Category 3
Aquatic Chronic 4: Hazardous to the aquatic environment - chronic hazard – Category 4*

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