



BE SURE. BUILD SURE.

Page 1/8

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

Printing date 30.11.2021



Version number 6

Revision: 30.11.2021

### 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name** MC-Estrifan Color Protect Pro - Komponente A
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Coating material
- **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
- **Emergency telephone number:** Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +48612864565

### 2 Hazards identification

- **Classification of the substance or mixture**  
Acute Tox. 5 H333 May be harmful if inhaled.  
Skin Sens. 1 H317 May cause an allergic skin reaction.  
Carc. 2 H351 Suspected of causing cancer. Route of exposure: Inhalation.
- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
GHS07 GHS08
- **Signal word** Warning
- **Hazard-determining components of labelling:** titanium dioxide  
3-butoxypropan-2-ol  
2-methyl-2H-isothiazol-3-one
- **Hazard statements** May be harmful if inhaled.  
May cause an allergic skin reaction.  
Suspected of causing cancer. Route of exposure: Inhalation.

(Contd. on page 2)



BE SURE. BUILD SURE.

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

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Version number 6

Revision: 30.11.2021

**Trade name MC-Estrifan Color Protect Pro - Komponente A**

(Contd. of page 1)

- **Precautionary statements**      *Avoid breathing dust/fume/gas/mist/vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF INHALED: Call a POISON CENTER/doctor if you feel unwell.  
IF exposed or concerned: Get medical advice/attention.  
If skin irritation or rash occurs: Get medical advice/attention.  
Store locked up.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:**                                      *Not applicable.*
- **vPvB:**                                      *Not applicable.*

**3 Composition/information on ingredients**

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

· **Dangerous components:**

13463-67-7	titanium dioxide Carc. 2, H351; Acute Tox. 5, H333	≥0.1-<25%
5131-66-8	3-butoxypropan-2-ol Acute Tox. 3, H331; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227; Acute Tox. 5, H303; Acute Tox. 5, H313	<0.5%
2682-20-4	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; Aquatic Chronic 2, H411; Skin Sens. 1A, H317; STOT SE 3, H335	≥0.0015-<0.025%

- **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**                      *No special measures required.*
- **After inhalation**                              *Supply fresh air; consult doctor in case of symptoms.*
- **After skin contact**                              *The product is not skin irritating.*
- **After eye contact**                              *Rinse opened eye for several minutes under running water.*
- **After swallowing**                              *In case of persistent symptoms consult doctor.*
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed**                              *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**                              *No further relevant information available.*

AE

(Contd. on page 3)



BE SURE. BUILD SURE.

Page 3/8

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

Printing date 30.11.2021

Version number 6

Revision: 30.11.2021

Trade name MC-Estrifan Color Protect Pro - Komponente A

(Contd. of page 2)

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, 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:** Dilute with much water.
- **Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections** No dangerous materials are released.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

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BE SURE. BUILD SURE.

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

Printing date 30.11.2021

Version number 6

Revision: 30.11.2021

**Trade name MC-Estrifan Color Protect Pro - Komponente A**

(Contd. of page 3)

- **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**

**5131-66-8 3-butoxypropan-2-ol**

Oral	DNEL	8.75 mg/kg bw/Tag (ArL)
Dermal	DNEL	44 mg/kg bw/day (ArL)
Inhalative	DNEL	270.5 mg/m <sup>3</sup> (ArL)

· **PNECs**

**5131-66-8 3-butoxypropan-2-ol**

PNEC	10 mg/l (Sewage Treatment Plant)
	0.0525 mg/l (Mew)
	0.525 mg/l (Suw)
PNEC	0.16 mg/kg dwt (Bod)
	0.236 mg/kg dwt (Sediment)
	2.36 mg/kg dwt (Fresh water sediment)

- **Additional information:** *The lists that were valid during the compilation were used as basis.*
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures** *The usual precautionary measures should be adhered to in handling the chemicals.*
- **Breathing equipment:** *Not required.*
- **Protection of hands:** *Impervious gloves*
- **Material of gloves** *Butyl rubber, BR*
- **Penetration time of glove material** *-*
- **Eye protection:** *Safety glasses*

## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - **Form:** *Fluid*
  - **Colour:** *Various colours*
  - **Smell:** *Characteristic*
- **pH-value at 20 °C:** *7*
- **Change in condition**
  - **Melting point/freezing point:** *Not determined*

(Contd. on page 5)



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according to 1907/2006/EC, Article 31

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Version number 6

Revision: 30.11.2021

**Trade name MC-Estrifan Color Protect Pro - Komponente A**

(Contd. of page 4)

<b>Initial boiling point and boiling range:</b> 100 °C	
· <b>Flash point:</b>	Not applicable
· <b>Self-inflammability:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Steam pressure at 20 °C:</b>	23 hPa
· <b>Density at 20 °C</b>	1.30 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Viscosity: dynamic at 20 °C:</b>	4000 mPas
· <b>Other information</b>	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

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity**

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

**13463-67-7 titanium dioxide**

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.8 mg/l (rat)

**5131-66-8 3-butoxypropan-2-ol**

Oral	LD50	3300 mg/kg (rat)
	NOAEL	350 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>3.4 mg/l (rat)

(Contd. on page 6)



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according to 1907/2006/EC, Article 31

Printing date 30.11.2021

Version number 6

Revision: 30.11.2021

**Trade name MC-Estrifan Color Protect Pro - Komponente A**

(Contd. of page 5)

**2682-20-4 2-methyl-2H-isothiazol-3-one**

Oral	LD50	50-300 mg/kg (rat)
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· **Primary irritant effect:**

· **Serious eye damage/irritation** No irritant effect.

· **Respiratory or skin sensitisation**

No sensitizing effect known.

· **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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

Carc. 2

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**5131-66-8 3-butoxypropan-2-ol**

LC50/96h	>560 mg/l (Gup)
EC50	>1000 mg/l (BEL)
EC50/48h	>1000 mg/l (Daphnia magna)
NOEC	180 mg/l (Gup)
	560 mg/l (Selenastrum capricornutum)
	560 mg/l (Daphnia magna)

**2682-20-4 2-methyl-2H-isothiazol-3-one**

EC50/72h	0.157 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	6 mg/l (Oncorhynchus mykiss)
EC50/48h	1.68 mg/l (Daphnies)

· **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.

· **Additional ecological information:**

· **General notes:** 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.

(Contd. on page 7)



BE SURE. BUILD SURE.

Page 7/8

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

Printing date 30.11.2021

Version number 6

Revision: 30.11.2021

Trade name MC-Estrifan Color Protect Pro - Komponente A

· **Other adverse effects**

No further relevant information available.

(Contd. of page 6)

### 13 Disposal considerations

· **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.

· **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

### 14 Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **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.

· **Transport/Additional information:**

Not dangerous according to the above specifications.

· **UN "Model Regulation":**

Void

### 15 Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I**

None of the ingredients is listed.

(Contd. on page 8)

AE



BE SURE. BUILD SURE.

Page 8/8

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

Printing date 30.11.2021

Version number 6

Revision: 30.11.2021

**Trade name MC-Estrifan Color Protect Pro - Komponente A**

(Contd. of page 7)

· **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)

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

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 5: Acute toxicity – Category 5

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

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

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