



BE SURE. BUILD SURE.

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

Printing date 30.11.2021

Version number 4

Revision: 19.10.2021

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

- **Product identifier**
- **Trade name** MC-Estrifan Color
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Coating compound/ Surface coating/ paint*
- **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  
Abteilung Produktsicherheit*

### 2 Hazards identification

- **Classification of the substance or mixture**  
*Acute Tox. 5 H333 May be harmful if inhaled.  
Skin Corr. 3 H316 Causes mild skin irritation.*
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms** *Void*
- **Signal word** *Warning*
- **Hazard-determining components of labelling:** *2-butoxyethanol*
- **Hazard statements** *May be harmful if inhaled.  
Causes mild skin irritation.*
- **Precautionary statements** *IF INHALED: Call a POISON CENTER/doctor if you feel unwell.  
If skin irritation occurs: Get medical advice/attention.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*

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· **vPvB:**

Not applicable.

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**3 Composition/information on ingredients**

· **Chemical characterisation: Mixtures**

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

|            |   |                   |
|------------|---|-------------------|
| 25265-77-4 | texanol<br>Acute Tox. 5, H303; Acute Tox. 5, H333   | <2.5%             |
| 111-76-2   | 2-butoxyethanol<br>Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227  | <1.5%             |
| 13463-67-7 | titanium dioxide<br>Carc. 2, H351; Acute Tox. 5, H333   | ≥0.1-<1%          |
| 26530-20-1 | 2-octyl-2H-isothiazol-3-one<br>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317 | ≥0.00025-<0.0015% |
| 13463-41-7 | pyrithione zinc<br>Acute Tox. 3, H301; Acute Tox. 2, H330; Repr. 1B, H360; STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410  | ≥0.00025-<0.0025% |

· **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.

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### 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:** No special measures required.
- **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.

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· **Control parameters**

· **Components with critical values that require monitoring at the workplace:**

**111-76-2 2-butoxyethanol**

|                        |   |
|------------------------|---|
| PEL (USA)              | Long-term value: 240 mg/m <sup>3</sup> , 50 ppm<br>Skin   |
| REL (USA)              | Long-term value: 24 mg/m <sup>3</sup> , 5 ppm<br>Skin   |
| TLV (USA)              | Long-term value: 20 ppm<br>BEI, A3  |
| IOELV (European Union) | Short-term value: 246 mg/m <sup>3</sup> , 50 ppm<br>Long-term value: 98 mg/m <sup>3</sup> , 20 ppm<br>Skin      |
| WEL (Great Britain)    | Short-term value: 246 mg/m <sup>3</sup> , 50 ppm<br>Long-term value: 123 mg/m <sup>3</sup> , 25 ppm<br>Sk, BMGV |

· **DNELs**

**25265-77-4 texanol**

|        |      |                         |
|--------|------|-------------------------|
| Oral   | DNEL | 49 mg/kg bw/Tag (ArL)   |
| Dermal | DNEL | 13.9 mg/kg bw/day (ArL) |

**111-76-2 2-butoxyethanol**

|            |      |                            |
|------------|------|----------------------------|
| Oral       | DNEL | 3.2 mg/kg bw/Tag (ArL)     |
| Dermal     | DNEL | 75 mg/kg bw/day (ArL)      |
| Inhalative | DNEL | 98 mg/m <sup>3</sup> (ArL) |

· **Ingredients with biological limit values:**

**111-76-2 2-butoxyethanol**

|                      |  |
|----------------------|--|
| BEI (USA)            | 200 mg/g creatinine<br>Medium: urine<br>Time: end of shift<br>Parameter: Butoxyacetic acid (BAA) (with hydrolysis) |
| BMGV (Great Britain) | 240 mmol/mol creatinine<br>Medium: urine<br>Sampling time: post shift<br>Parameter: butoxyacetic acid              |

· **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:**

Not required.

· **Material of gloves**

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· **Penetration time of glove material**

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· Eye protection:

Safety glasses

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### 9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Colour: Coloured

· Smell: Characteristic

· Change in condition

Melting point/freezing point: Not determined

Initial boiling point and boiling range: 100 °C

· Flash point: Not applicable

· Self-inflammability: Product is not selfigniting.

· Explosive properties: Product is not explosive.

· Steam pressure at 20 °C: 23 hPa

· Density at 20 °C: 1.02 g/cm<sup>3</sup>

· Solubility in / Miscibility with

Water: Soluble

· 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

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**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity

· LD/LC50 values that are relevant for classification:

**25265-77-4 texanol**

|            |          |                      |
|------------|----------|----------------------|
| Oral       | LD50     | 3200 mg/kg (rat)     |
|            | NOAEL    | 1000 mg/kg (rat)     |
| Dermal     | LD50     | 15200 mg/kg (rabbit) |
| Inhalative | LCL0     | >3.55 mg/l (rat)     |
|            | LC50/4 h | 1600-3200 mg/l (rat) |

**111-76-2 2-butoxyethanol**

|            |          |                               |
|------------|----------|-------------------------------|
| Oral       | LD50     | 1200 mg/kg (ATE)              |
|            |          | 1414 mg/kg (Meerschweinchen)  |
|            |          | 1300 mg/kg (rat)              |
|            | NOAEL    | >100 mg/kg (Danio rerio)      |
|            |          | 100 mg/kg (rat)               |
| Dermal     | LD50     | >2000 mg/kg (Meerschweinchen) |
| Inhalative | LCL0     | >3.1 mg/l (Meerschweinchen)   |
|            | LC50/4 h | 2-20 mg/l (rat)               |

**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)       |

**26530-20-1 2-octyl-2H-isothiazol-3-one**

|            |          |                   |
|------------|----------|-------------------|
| Oral       | LD50     | 125 mg/kg (ATE)   |
|            |          | 279 mg/kg (rat)   |
| Dermal     | LD50     | 311 mg/kg (ATE)   |
|            |          | >2000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.27 mg/l (ATE)   |
|            |          | 0.6 mg/l (rat)    |

**13463-41-7 pyrithione zinc**

|            |          |                 |
|------------|----------|-----------------|
| Oral       | LD50     | 221 mg/kg (ATE) |
| Inhalative | LC50/4 h | 0.14 mg/l (ATE) |

- **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:

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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.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**25265-77-4 texanol**

|           |  |
|-----------|--|
| LC0/96h   | >19 mg/l (Oncorhynchus mykiss)             |
| EbC50/72h | 8.1 mg/l (Pseudokirchneriella subcapitata) |
| LC50/96h  | 33 mg/l (Oncorhynchus mykiss)              |
| EC50/48h  | 147.8 mg/l (Daphnia magna)                 |
| ErC50/72h | 15 mg/l (Pseudokirchneriella subcapitata)  |

**111-76-2 2-butoxyethanol**

|          |   |
|----------|---|
| EC50/72h | 1840 mg/l (Pseudokirchneriella subcapitata) |
| LC50/96h | 1474 mg/l (Oncorhynchus mykiss)             |
| EC50/48h | 1550 mg/l (Daphnia magna)                   |
| NOEC     | 286 mg/l (Pseudokirchneriella subcapitata)  |
|          | 100 mg/l (Daphnia magna)                    |
| EC0      | 700 mg/l (Pseudomonas putida)               |

**26530-20-1 2-octyl-2H-isothiazol-3-one**

|          |                      |
|----------|----------------------|
| EC50/48h | 0.42 mg/l (Daphnien) |
|----------|----------------------|

**13463-41-7 pyriithione zinc**

|          |  |
|----------|--|
| IC50/72h | 0.067 mg/l (Selenastrum capricornutum) |
| LC50/96h | 0.15 mg/l (Oncorhynchus mykiss)        |
| EC50/48h | 0.05 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 product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

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### 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.*

### 14 Transport information

- |   |  |
|---|--|
| · <b>UN-Number</b>  | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>UN proper shipping name</b>  | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>Transport hazard class(es)</b>   | Void   |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>Class</b>  | Void   |
| · <b>Packing group</b>  | Void   |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>Environmental hazards:</b>   |  |
| · <b>Marine pollutant:</b>  | No   |
| · <b>Special precautions for user</b>                                       | Not applicable.                                      |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>                                  | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>   | 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.*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

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### 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)*

*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. 3: Acute toxicity – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Acute Tox. 5: Acute toxicity – Category 5*

*Acute Tox. 2: Acute toxicity – Category 2*

*Skin Corr. 1A: Skin corrosion/irritation – Category 1A*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Skin Corr. 3: Skin corrosion/irritation – Category 3*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

*Skin Sens. 1A: Skin sensitisation – Category 1A*

*Carc. 2: Carcinogenicity – Category 2*

*Repr. 1B: Reproductive toxicity – Category 1B*

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

*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*

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