



BE SURE. BUILD SURE.

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

Printing date 02.12.2023

Version number 23




Revision: 02.12.2023

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

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.
 - Aquatic Acute 3 H402 Harmful to aquatic life.
 - Aquatic Chronic 2 H411 Toxic 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**

GHS07 GHS08 GHS09
- **Signal word** Warning
- **Hazard-determining components of labelling:** titanium dioxide
Hexanedioic acid, polymer with 2-oxiranyl methyl neodecanoate
3-butoxypropan-2-ol
2-methyl-2H-isothiazol-3-one
- **Hazard statements** May be harmful if inhaled.
May cause an allergic skin reaction.

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- **Precautionary statements**
 - Suspected of causing cancer. Route of exposure: Inhalation.
 - Harmful to aquatic life.
 - Toxic to aquatic life with long lasting effects.
 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 - Avoid release to the environment.
 - 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.
 - 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:**

	Polyacrylate Aquatic Chronic 3, H412	≥10-<25%
CAS: 13463-67-7	titanium dioxide Carc. 2, H351; Acute Tox. 5, H333	10-30%
CAS: 716336-43-5	Hexanedioic acid, polymer with 2-oxiranyl methyl neodecanoate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1B, H317	≥1-<2.5%
CAS: 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%
CAS: 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 1, H410; Skin Sens. 1A, H317	≥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.

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- **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.*

5 Firefighting 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:** *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.*
- **Storage class** *12*

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· **Specific end use(s)** No further relevant information available.

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8 Exposure controls/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.

· **DNELs**

CAS: 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/m³ (ArL)

· **PNECs**

CAS: 5131-66-8 3-butoxypropan-2-ol

PNEC 10 mg/l (Sewage Treatment Plant)

0.0525 mg/l (Mew)

0.525 mg/l (Freshwater)

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**

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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:	Various colours
· Smell:	Characteristic

· **pH-value at 20 °C:** 7

· **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** 1.3 g/cm³

· **Solubility in / Miscibility with**

· **Water:** Fully miscible

· **Viscosity:**

· dynamic at 20 °C:	4000 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

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

CAS: 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)

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)

- 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 (carcinogeny, mutagenicity and toxicity for reproduction) Carc. 2

12 Ecological information

- Toxicity

· Aquatic toxicity:

CAS: 716336-43-5 Hexanedioic acid, polymer with 2-oxiranyl methyl neodecanoate

LC50/96h	>0.072 mg/l (Danio rerio) (OECD 203)
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CAS: 5131-66-8 3-butoxypropan-2-ol

LC0/96h	>560 mg/l (Danio rerio) (OECD 203)
LC50/96h	>560 mg/l (Gup)
EC50	>1000 mg/l (BEL)

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EC50/48h	>1000 mg/l (<i>Daphnia magna</i>)
NOEC	180 mg/l (<i>Gup</i>) 560 mg/l (<i>Selenastrum capricornutum</i>) 560 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>)

- **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.

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	Void
· ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	Void
· ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	Void
· ADR, ADN, IMDG, IATA	Void
· Class	Void

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· 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.
- **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

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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
Skin Sens. 1B: Skin sensitisation – Category 1B
Carc. 2: Carcinogenicity – Category 2
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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

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