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

Printing date 06.03.2020

Version number 4

Revision: 06.03.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· Trade name **MC-Estrifan Color Protect**
· UFI: **AQSG-50TD-E00N-YDHD**

· 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

Dispersion paint/ Latex paint
Surface protection

· 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.: +48612864565

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

Void

· Hazard pictograms

Void

· Signal word

Void

· Hazard statements

Void

· Additional information:

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
Safety data sheet available on request.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

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· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

CAS: 111-76-2	2-butoxyethanol	<3%
EINECS: 203-905-0	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332;	
Reg.nr.: 01-2119475108-36	Skin Irrit. 2, H315; Eye Irrit. 2, H319	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.
Acrylic dispersion
Chalk
Water

SECTION 4: First aid measures

· 4.1 Description of first aid measures

· **General information** No special measures required.
· **After inhalation** Supply fresh air.
· **After skin contact** The product is not skin irritating.
· **After eye contact** Rinse opened eye for several minutes under running water.
· **After swallowing** Rinse out mouth and then drink plenty of water.
Seek medical treatment.

· 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.

· 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.

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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** *No special measures required.*
- **Information about protection against explosions and fires:** *No special measures required.*
- **7.2 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.*
- **7.3 Specific end use(s)** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

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

111-76-2 2-butoxyethanol

WEL	Short-term value: 246 mg/m ³ , 50 ppm
	Long-term value: 123 mg/m ³ , 25 ppm
	Sk, BMGV

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· DNELs

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 ³ (ArL)

· Ingredients with biological limit values:

111-76-2 2-butoxyethanol

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

· Additional information: The lists that were valid during the compilation were used as basis.

· 8.2 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 -

· Penetration time of glove material -

· Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	According to product specification
Smell:	Characteristic

· pH-value: ~8

· 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.

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· Steam pressure at 20 °C:	23 hPa
· Density at 20 °C	1.40 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible
· Viscosity: dynamic:	Not determined.
· 9.2 Other information	No further relevant information available.

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

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

111-76-2 2-butoxyethanol

Oral	LD50	1,414 mg/kg (Meerschweinchen) 1,300 mg/kg (rat)
	NOAEL	>100 mg/kg (Danio rerio) 100 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (Meerschweinchen)
Inhalative	LCL0	>3.1 mg/l (Meerschweinchen)
	LC50/4 h	2-20 mg/l (rat)

- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.

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- **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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

111-76-2 2-butoxyethanol

EC50/72h	1,840 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	1,474 mg/l (Oncorhynchus mykiss)
EC50/48h	1,550 mg/l (Daphnia magna)
NOEC	286 mg/l (Pseudokirchneriella subcapitata)
	100 mg/l (Daphnia magna)
EC0	700 mg/l (Pseudomonas putida)

· 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.

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

· 12.5 Results of PBT and vPvB assessment

· PBT:

Not applicable.

· vPvB:

Not applicable.

· 12.6 Other adverse effects

No further relevant information available.

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.

· European waste catalogue

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 01 00	wastes from MFSU and removal of paint and varnish
08 01 12	waste paint and varnish other than those mentioned in 08 01 11

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- **Uncleaned packagings:**
- **Recommendation:** *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

SECTION 14: Transport information

- **14.1 UN-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 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*

SECTION 15: Regulatory information

- **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** *H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.*

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H332 Harmful if inhaled.

· **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 européen sur le transport 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)

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

Acute Tox. 4: Acute toxicity – Category 4

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

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

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

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