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

Printing date 17.02.2024

Version number 23




Revision: 17.02.2024

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

- **Product identifier**
- **Trade name** MC-Color Flair vision T - 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.

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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

8 Exposure controls/personal protection

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

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- **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/m ³ (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** *-*
- **Eye protection:** *Not required.*

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*

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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	1.21 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible
· Viscosity: dynamic at 20 °C: kinematic:	4000 mPas 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

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)
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	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 (carcinogenicity, 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)

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)

EC50/48h >1000 mg/l (Daphnia magna)

NOEC 180 mg/l (Gup)

560 mg/l (Selenastrum capricornutum)

560 mg/l (Daphnia magna)

CAS: 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.

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- **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) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | <i>Not applicable.</i> |
| · Transport/Additional information: | <i>Not dangerous according to the above specifications.</i> |
| · UN "Model Regulation": | Void |

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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
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*

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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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