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

Printing date 18.12.2021

Version number 12

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

- **Product identifier**
- **Trade name** MC-Color Flex pure
- **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*
- **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 H303 May be harmful if swallowed.  
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  
2-methyl-2H-isothiazol-3-one*
- **Hazard statements** *May be harmful if swallowed.*

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**· Precautionary statements**

May be harmful if inhaled.  
May cause an allergic skin reaction.  
Suspected of causing cancer. Route of exposure: Inhalation.  
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:**

68240-06-2	Acrylat Copolymer Acute Tox. 5, H303	<25%
1317-65-3	Calciumcarbonat Acute Tox. 5, H303; Acute Tox. 5, H313	<25%
13463-67-7	titanium dioxide Carc. 2, H351; Acute Tox. 5, H333	≥0.1-<25%
471-34-1	calcium carbonate Acute Tox. 5, H303	<10%
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.
- **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.

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- **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** Use fire fighting measures that suit the environment.
- **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.

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#### 8 Exposure controls/personal protection

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

· <b>DNELs</b>		
<b>1317-65-3 Calciumcarbonat</b>		
Oral	DNEL	6.1 mg/kg bw/Tag (ArL)
Inhalative	DNEL	10 mg/m <sup>3</sup> (ArL)
<b>471-34-1 calcium carbonate</b>		
Inhalative	DNEL	4.26 mg/m <sup>3</sup> (ArL)

· <b>PNECs</b>	
<b>1317-65-3 Calciumcarbonat</b>	
PNEC	100 mg/l (Sewage Treatment Plant)

- **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** -
- **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:** Pasty
  - **Colour:** According to product specification
  - **Smell:** Characteristic
- **pH-value:** 7-8
- **Change in condition**
  - **Melting point/freezing point:** Not determined

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<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>	1.42 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Viscosity: dynamic at 20 °C:</b>	32500 mPas
· <b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

· <b>Reactivity</b>	No further relevant information available.
· <b>Chemical stability</b>	
· <b>Thermal decomposition / conditions to be avoided:</b>	No decomposition if used according to specifications.
· <b>Possibility of hazardous reactions</b>	No dangerous reactions known
· <b>Conditions to avoid</b>	No further relevant information available.
· <b>Incompatible materials:</b>	No further relevant information available.
· <b>Hazardous decomposition products:</b>	No dangerous decomposition products known

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

<b>68240-06-2 Acrylat Copolymer</b>		
Oral	LD50	>2000 mg/kg (rat)
<b>1317-65-3 Calciumcarbonat</b>		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
<b>13463-67-7 titanium dioxide</b>		
Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)

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Inhalative	LC50/4 h	>6.8 mg/l (rat)
<b>471-34-1 calcium carbonate</b>		
Oral	LD50	>2000 mg/kg (rat)
<b>2682-20-4 2-methyl-2H-isothiazol-3-one</b>		
Oral	LD50	50-300 mg/kg (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:**

<b>68240-06-2 Acrylat Copolymer</b>	
LC50/96h	>100 mg/l (Daphnies)
<b>1317-65-3 Calciumcarbonat</b>	
EC50/72h	>14 mg/l (Desmodesmus subspicatus)
LC50/96h	>10000 mg/l (Oncorhynchus mykiss)
LC50/48h	>1000 mg/l (Daphnia magna)
EC50/48h	>1000 mg/l (Daphnia magna)
<b>471-34-1 calcium carbonate</b>	
IC50/72h	>1000 mg/l (algae)
LC50/24h	>10 mg/l (fish)
LC50/96h	>1000 mg/l (fish)
EC50/48h	>1000 mg/l (Daphnia magna)
<b>2682-20-4 2-methyl-2H-isothiazol-3-one</b>	
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 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.*
- **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:** *Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.*
- **Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

### 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>   | No  |
| · <b>Marine pollutant:</b>  | No  |
| · <b>Special precautions for user</b>                                       | <i>Not applicable.</i>                                      |
| · <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | <i>Not applicable.</i>                                      |
| · <b>Transport/Additional information:</b>                                  | <i>Not dangerous according to the above specifications.</i> |
| · <b>UN "Model Regulation":</b>   | 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*  
*Acute Tox. 3: Acute toxicity – Category 3*  
*Acute Tox. 5: Acute toxicity – Category 5*  
*Acute Tox. 2: Acute toxicity – Category 2*  
*Skin Corr. 1B: Skin corrosion/irritation – Category 1B*  
*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*  
*Skin Sens. 1: Skin sensitisation – Category 1*  
*Skin Sens. 1A: Skin sensitisation – Category 1A*  
*Carc. 2: Carcinogenicity – Category 2*  
*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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