



BE SURE. BUILD SURE.

Page 1/7

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

Printing date 25.03.2022

Version number 13


Revision: 25.03.2022

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

- **Product identifier**
- **Trade name** **MC-PowerFlow 2160**
- **Relevant identified uses of the substance or mixture and uses advised against** *No further relevant information available.*
- **Application of the substance / the mixture** *Concrete/Mortar admixtures*
- **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**
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **Label elements**
- **GHS label elements** *The product is classified and labelled according to the Globally Harmonised System (GHS).*
- **Hazard pictograms**

GHS07
- **Signal word** *Warning*
- **Hazard-determining components of labelling:** *2-octyl-2H-isothiazol-3-one*
- **Hazard statements** *May cause an allergic skin reaction.*
- **Precautionary statements** *Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).*

(Contd. on page 2)

AE

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

Printing date 25.03.2022

Version number 13

Revision: 25.03.2022

Trade name MC-PowerFlow 2160

(Contd. of page 1)

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **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:**

26530-20-1	2-octyl-2H-isothiazol-3-one	≥0.0016-<0.0025%
	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	

- **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.

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.



BE SURE. BUILD SURE.

Page 3/7

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

Printing date 25.03.2022

Version number 13

Revision: 25.03.2022

Trade name MC-PowerFlow 2160

(Contd. of page 2)

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.

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.
- **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:** Protective gloves.
- **Material of gloves** Natural rubber, NR

(Contd. on page 4)



BE SURE. BUILD SURE.

Page 4/7

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

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Version number 13

Revision: 25.03.2022

Trade name MC-PowerFlow 2160

(Contd. of page 3)

- | | |
|---|--------------------------------|
| | Nitrile rubber, NBR |
| · Penetration time of glove material | Breakthrough time: > = 480 min |
| · Eye protection: | Safety glasses |
| · Body protection: | Impervious protective clothing |

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- | | |
|---------|----------------|
| Form: | Fluid |
| Colour: | Light brown |
| Smell: | Characteristic |

- | | |
|-------------|-----|
| · pH-value: | 4.9 |
|-------------|-----|

· 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 | 1.052 g/cm ³ |
|--------------------|-------------------------|

- | | |
|---|----------------|
| · Solubility in / Miscibility with Water: | Fully miscible |
|---|----------------|

- | | |
|--------------------------|-----------------|
| · Viscosity:
dynamic: | 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. |
|---------------------------|--|

(Contd. on page 5)

AE

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(Contd. of page 4)

· **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:**

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)

· **Primary irritant effect:**

· **Skin corrosion/irritation** No 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.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:**

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

EC50/48h 0.42 mg/l (Daphnien)

· **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 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.

(Contd. on page 6)

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

Printing date 25.03.2022

Version number 13

Revision: 25.03.2022

Trade name MC-PowerFlow 2160

· **Other adverse effects**

No further relevant information available.

(Contd. of page 5)

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**

· **ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **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**

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.

(Contd. on page 7)

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

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Version number 13

Revision: 25.03.2022

Trade name MC-PowerFlow 2160

(Contd. of page 6)

· **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)
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. 2: Acute toxicity – Category 2
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
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

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