



BE SURE. BUILD SURE.

Page 1/8

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

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

- **Product identifier**
- **Trade name** **MC-PowerFlow 2236**
- **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*

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-on*
- **Hazard statements** *H317 May cause an allergic skin reaction.*
- **Precautionary statements**
*P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*

(Contd. on page 2)

AE

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 1)

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **CAS No. Designation:** void
- **Identification number(s):** Void
- **Chemical characterisation: Mixtures**
- **Description:** Mixture consisting of the following components.

· **Dangerous components:**

CAS: 26530-20-1	2-Octyl-2H-isothiazol-3-on	≥0.0015-<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** For all first aid measures: observe self-protection and consult a doctor!
- **After inhalation** Take the person out into the fresh air.
- **After skin contact** Remove contaminated clothing immediately.
Hold affected areas under cold running water for at least 15 minutes.
- **After eye contact** Rinse for 10 minutes under running water with the eyelids open or use eye rinsing solution. Always consult an ophthalmologist!
- **After swallowing** Drink plenty of water in small sips.
Do not induce vomiting.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** Void
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

AE
(Contd. on page 3)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **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** Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Avoid splashing.
Avoid dust development with powder products.
Limit the storage quantity at the workplace to one shift requirement.
Do not leave containers open.
Provide washing facilities in the work area.
Provide an eye shower or eyewash bottle.
- **Information about storage in one common storage facility:** Combined storage bans apply from a total storage quantity of 200 kg.
Do not store together with substances of the following LGK: 1; 5.1A; 5.2; 6.2; 7
Storage with substances of the following LGK is only possible under the conditions specified in TRGS 510: 4.1A; 4.2; 4.3; 5.1C
- **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.

(Contd. on page 4)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 3)

- **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** *Do not store any foodstuffs or eat, drink, snuff or smoke in the work area!
Avoid contact with eyes, skin and clothing!
Clean hands thoroughly after work and before cleaning!
Use skin care products after work (moisturising cream).
Change wet/uncleaned clothing immediately, place in water and only use again after cleaning!*
- **Breathing equipment:** *If the limit value is exceeded:
Combination filter A-P2 (brown/white).*
- **Protection of hands:** *Gloves made of: Natural latex, polychloroprene, nitrile rubber.
(Category 3 chemical protective gloves, recognisable by the CE mark with four-digit test number).
When wearing protective gloves, cotton undergloves are recommended.*
- **Material of gloves** *see "Hand protection"*
- **Penetration time of glove material** *The exact breakthrough time must be obtained from the protective glove manufacturer and must be observed.*
- **Eye protection:** *Gauze goggles*
- **Body protection:** *Alkali-resistant protective clothing*

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** *Fluid*
 - Colour:** *Brown*
 - Smell:** *Characteristic*
- **pH-value at 20 °C:** *5*
- **Change in condition**
 - Melting point/freezing point:** *<0 °C*
 - Initial boiling point and boiling range:** *100 °C*
- **Flash point:** *Not applicable*
- **Self-inflammability:** *Product is not selfigniting.*

(Contd. on page 5)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 4)

· Explosive properties:	Product is not explosive.
· Steam pressure at 20 °C:	23 hPa
· Density at 20 °C	1.05 g/cm ³
· Solubility in / Miscibility with Water:	Fully miscible
· Viscosity: dynamic at 20 °C: kinematic:	<100 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: 26530-20-1 2-Octyl-2H-isothiazol-3-on

Oral	LD50	125 mg/kg (ATE) 500 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:**
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.

(Contd. on page 6)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 5)

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:

CAS: 26530-20-1 2-Octyl-2H-isothiazol-3-on

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.

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.

14 Transport information

UN-Number

ADR, ADN, IMDG, IATA

Void

UN proper shipping name

ADR, ADN, IMDG, IATA

Void

(Contd. on page 7)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 6)

· 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.
- **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

(Contd. on page 8)



BE SURE. BUILD SURE.

Page 8/8

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.03.2025

Version number 41

Revision: 29.03.2025

Trade name MC-PowerFlow 2236

(Contd. of page 7)

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.**

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