



BE SURE. BUILD SURE.

Page 1/7

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

Printing date 27.05.2022


Version number 11

Revision: 27.05.2022

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

- **Product identifier**
- **Trade name** Centrament Retard 361
- **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**  
Eye Irritation 2A H319 Causes serious eye irritation.
- **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 statements** Causes serious eye irritation.
- **Precautionary statements** Wash thoroughly after handling.  
Wear eye protection / face protection.  
IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

AE

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

Printing date 27.05.2022

Version number 11

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**Trade name** Centrament Retard 361

· **vPvB:**

Not applicable.

(Contd. of page 1)

### 3 Composition/information on ingredients

· **Chemical characterisation:** Mixtures

· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

7320-34-5	tetrapotassium pyrophosphate	≥10-<25%
	Eye Irritation 2A, H319; Acute Tox. 5, H303	

### 4 First aid measures

· **Description of first aid measures**

· **General information** No special measures required.

· **After inhalation** Void

· **After skin contact** The product is not skin irritating.

· **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

· **After swallowing** Rinse out mouth and then drink plenty of water.  
Seek medical treatment.

· **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** Void

· **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.

(Contd. on page 3)

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

Printing date 27.05.2022

Version number 11

Revision: 27.05.2022

**Trade name Centrament Retard 361**

(Contd. of page 2)

- **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.

#### · DNELs

**7320-34-5 tetrapotassium pyrophosphate**

Inhalative	DNEL	2.79 mg/m <sup>3</sup> (ArL)
------------	------	------------------------------

#### · PNECs

**7320-34-5 tetrapotassium pyrophosphate**

PNEC	50 mg/l (Kla)
	0.005 mg/l (Mew)
	0.05 mg/l (Suw)

- **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.

(Contd. on page 4)

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

Printing date 27.05.2022

Version number 11

Revision: 27.05.2022

**Trade name Centrament Retard 361**

(Contd. of page 3)

- **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:   | Fluid          |
| Colour: | Colourless     |
| Smell:  | Characteristic |

- |                      |    |
|----------------------|----|
| · pH-value at 20 °C: | 10 |
|----------------------|----|

##### · 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. |
|------------------------|------------------------------|

- |                         |                           |
|-------------------------|---------------------------|
| · Explosive properties: | Product is not explosive. |
|-------------------------|---------------------------|

- |                            |        |
|----------------------------|--------|
| · Steam pressure at 20 °C: | 23 hPa |
|----------------------------|--------|

- |                    |                        |
|--------------------|------------------------|
| · Density at 20 °C | 1.15 g/cm <sup>3</sup> |
|--------------------|------------------------|

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

- |                                   |           |
|-----------------------------------|-----------|
| · Viscosity:<br>dynamic at 20 °C: | <100 mPas |
|-----------------------------------|-----------|

- |                     |  |
|---------------------|--|
| · 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)

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

Printing date 27.05.2022

Version number 11

Revision: 27.05.2022

**Trade name Centrament Retard 361**

(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:**

**7320-34-5 tetrapotassium pyrophosphate**

Oral LD50 2980 mg/kg (rat)

· **Primary irritant effect:**

· **Serious eye damage/irritation** No irritant effect.

· **Respiratory or skin sensitisation**

No sensitizing effect known.

· **Additional toxicological information:**

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:**

**7320-34-5 tetrapotassium pyrophosphate**

LC50/96h >100 mg/l (Oncorhynchus mykiss)

LC0/48h >750 mg/l (Leucidus idus)

LC50/48h >100 mg/l (Daphnia magna)

· **Persistence and degradability** No further relevant information available.

· **Other information:**

Bei unbeabsichtigtem Eintrag in die Kanalisation: Wegen des hohen Ph Wertes sind in der Kläranlage Überprüfungen und evtl. eine pH Wert Korrektur notwendig. Das Produkt wird zu Phosphat abgebaut, das in der letzten Stufe ausgefällt werden kann.

· **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.

AE

(Contd. on page 6)

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

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Revision: 27.05.2022

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

AE

(Contd. on page 7)



BE SURE. BUILD SURE.

Page 7/7

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

Printing date 27.05.2022

Version number 11

Revision: 27.05.2022

**Trade name Centrament Retard 361**

(Contd. of page 6)

### 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:**
- **Contact:**

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 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. 5: Acute toxicity – Category 5*

*Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A*

- **\* Data compared to the previous version altered.**

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