



BE SURE. BUILD SURE.

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

Printing date 09.06.2023

Version number 21 (replaces version 20)

Revision: 09.06.2023

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

#### 1.1 Product identifier

Trade name **Centrament Retard 360**

Article number: 724

#### 1.2 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

#### 1.3 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

#### 1.4 Emergency telephone number:

Tel.: +49 / (0)700 24112112 (MCR)  
Tel.: +48612864565

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Eye Irrit. 2 H319 Causes serious eye irritation.

#### 2.2 Label elements

##### Labelling according to

Regulation (EC) No 1272/2008 The product is classified and labelled according to the GB CLP regulation.

##### Hazard pictograms



GHS07

##### Signal word

Warning

##### Hazard statements

H319 Causes serious eye irritation.

##### Precautionary statements

P264 Wash thoroughly after handling.

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P280 *Wear eye protection / face protection.*  
P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*  
P337+P313 *If eye irritation persists: Get medical advice/attention.*

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

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** *Mixture consisting of the following components.*

· **Dangerous components:**

CAS: 7320-34-5	tetrapotassium pyrophosphate	Eye Irrit. 2, H319	10-30%
EINECS: 230-785-7			

### SECTION 4: First aid measures

- **4.1 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.*
- **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **4.3 Indication of any immediate medical attention and special treatment needed** *No further relevant information available.*

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents** *Void*
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*

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- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** No dangerous materials are released.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 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
- **7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **8.1 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)

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· **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.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures** The usual precautionary measures should be adhered to in handling the chemicals.
- **Breathing equipment:** Not required.
- **Hand protection** Not required.
- **Material of gloves** -
- **Penetration time of glove material** -
- **Eye/face protection** Safety glasses  
Tightly sealed safety glasses.

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

- **Colour:** Colourless
- **Smell:** Odourless
- **Melting point/freezing point:** <0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Flash point:** Not applicable
- **pH at 20 °C** 11
- **Viscosity:**
- **Kinematic viscosity at 20 °C** 12 s (DIN 53211/4)
- **dynamic:** Not determined.
- **Solubility**
- **Water:** Fully miscible
- **Steam pressure at 20 °C:** 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- **Density and/or relative density**
- **Density at 20 °C** 0.98 g/cm<sup>3</sup>

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· **9.2 Other information**

· **Appearance:**

· **Form:**

Fluid

· **Important information on protection of health and environment, and on safety.**

· **Self-inflammability:**

Product is not selfigniting.

· **Explosive properties:**

Product is not explosive.

· **Information with regard to physical hazard classes**

· **Explosives**

Void

· **Flammable gases**

Void

· **Aerosols**

Void

· **Oxidising gases**

Void

· **Gases under pressure**

Void

· **Flammable liquids**

Void

· **Flammable solids**

Void

· **Self-reactive substances and mixtures**

Void

· **Pyrophoric liquids**

Void

· **Pyrophoric solids**

Void

· **Self-heating substances and mixtures**

Void

· **Substances and mixtures, which emit flammable gases in contact with water**

Void

· **Oxidising liquids**

Void

· **Oxidising solids**

Void

· **Organic peroxides**

Void

· **Corrosive to metals**

Void

· **Desensitised explosives**

Void

## SECTION 10: Stability and reactivity

· **10.1 Reactivity**

No further relevant information available.

· **10.2 Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions**

No dangerous reactions known

· **10.4 Conditions to avoid**

No further relevant information available.

· **10.5 Incompatible materials:**

No further relevant information available.

· **10.6 Hazardous decomposition products:**

No dangerous decomposition products known

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#### SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

**7320-34-5 tetrapotassium pyrophosphate**

Oral LD50 2980 mg/kg (rat)

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Causes serious eye irritation.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

#### SECTION 12: Ecological information

**12.1 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)

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

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

**12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

**12.7 Other adverse effects**

· **Additional ecological information:**

· **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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**SECTION 13: Disposal considerations**

**13.1 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.

**SECTION 14: Transport information**

**14.1 UN number or ID number**

**ADR, ADN, IMDG, IATA** Void

**14.2 UN proper shipping name**

**ADR, ADN, IMDG, IATA** Void

**14.3 Transport hazard class(es)**

**ADR, ADN, IMDG, IATA**

**Class** Void

**14.4 Packing group**

**ADR, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Void

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

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**· 15.2 Chemical safety assessment:**

*A Chemical Safety Assessment has not been carried out.*

### SECTION 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.*

**· Relevant phrases**

*H319 Causes serious eye irritation.*

**· Department issuing data specification sheet:**

*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*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*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 (UK REACH)*

*PNEC: Predicted No-Effect Concentration (UK REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

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

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