



BE SURE. BUILD SURE.

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## Safety data sheet according to UK REACH

Printing date 03.05.2025

Version number 41 (replaces version 40)

Revision: 03.05.2025

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

· **1.1 Product identifier**

· **Trade name** Centrament Retard 361

· **Article number:** 3658

· **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.: +1 872 5888271 (MCR)

### 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** *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.*

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

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### 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**
  - 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.*
- **7.2 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*

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#### 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**

**CAS: 7320-34-5 tetrapotassium pyrophosphate**

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

· **PNECs**

**CAS: 7320-34-5 tetrapotassium pyrophosphate**

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

- **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**

*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).*

- **Hand protection**

*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/face protection**

*Gauze goggles*

- **Body protection:**

*Alkali-resistant protective clothing*

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· **Skin protection**

Use greasy skin protection ointment for all uncovered parts of the body!

#### SECTION 9: Physical and chemical properties

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

· **General Information**

- **Colour:** Colourless
- **Smell:** Characteristic
- **Melting point/freezing point:** <0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C
- **Flash point:** Not applicable, as aerosol  
Not applicable
- **pH at 20 °C** 10
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **dynamic at 20 °C:** <100 mPas
- **Solubility**
- **Water:** Fully miscible
- **Steam pressure at 20 °C:** 23 hPa
- **Density and/or relative density**
- **Density at 20 °C** 1.15 g/cm<sup>3</sup>

· **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

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- |                                  |      |
|----------------------------------|------|
| · <b>Oxidising solids</b>        | Void |
| · <b>Organic peroxides</b>       | Void |
| · <b>Corrosive to metals</b>     | Void |
| · <b>Desensitised explosives</b> | 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*

#### 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:**

**CAS: 7320-34-5 tetrapotassium pyrophosphate**

Oral	LD50	2980 mg/kg (rat)
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- **Primary irritant effect:**
- **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.*

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#### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**CAS: 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.

#### 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

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· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

#### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture** *No further relevant information available.*
- **Poisons Act**

· **Regulated explosives precursors**

*None of the ingredients is listed.*

· **Regulated poisons**

*None of the ingredients is listed.*

· **Reportable explosives precursors**

*None of the ingredients is listed.*

· **Reportable poisons**

*None of the ingredients is listed.*

· **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.*

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- 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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