



BE SURE. BUILD SURE.

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

Printing date 25.03.2022


Version number 12

Revision: 25.03.2022

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

- **Product identifier**
- **Trade name** Centrament N 5
- **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).*

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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:**

|            |   |                  |
|------------|---|------------------|
| 126-71-6   | triisobutyl phosphate<br>Skin Sens. 1, H317   | ≥0.1-<0.5%       |
| 26530-20-1 | 2-octyl-2H-isothiazol-3-one<br>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330;<br>Skin Corr. 1A, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400;<br>Aquatic Chronic 1, H410; Skin Sens. 1A, H317 | ≥0.0016-<0.0025% |

**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.
- **After swallowing** Rinse out mouth and then drink plenty of water.  
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** Void
- **Special hazards arising from the substance or mixture** No further relevant information available.

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- **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.
- **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

#### 126-71-6 triisobutyl phosphate

|        |      |                         |
|--------|------|-------------------------|
| Oral   | DNEL | 2.13 mg/kg bw/Tag (ArL) |
| Dermal | DNEL | 4.25 mg/kg bw/day (ArL) |

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Inhalative DNEL 50 mg/m<sup>3</sup> (ArL)

· **PNECs**

**126-71-6 triisobutyl phosphate**

PNEC 3.72 mg/l (Kla)

0.0011 mg/l (Mew)

0.011 mg/l (Suw)

PNEC 0.308 mg/kg dwt (Bod)

0.158 mg/kg dwt (Sediment)

1.58 mg/kg dwt (Fresh water sediment)

· **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**

Nitrile rubber, NBR

Natural rubber, NR

· **Penetration time of glove material**

-

· **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:**

3.0 - 11.0

· **Change in condition**

Melting point/freezing point:

Not applicable

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

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|  |  |
|--|--|
| · <b>Density at 20 °C</b>                        | 1.19 g/cm <sup>3</sup>                     |
| · <b>Solubility in / Miscibility with Water:</b> | Fully miscible                             |
| · <b>Viscosity: kinematic:</b>                   | Not determined.                            |
| · <b>Other information</b>                       | No further relevant information available. |

**10 Stability and reactivity**

|  |   |
|--|---|
| · <b>Reactivity</b>  | No further relevant information available.            |
| · <b>Chemical stability</b>                                |   |
| · <b>Thermal decomposition / conditions to be avoided:</b> | No decomposition if used according to specifications. |
| · <b>Possibility of hazardous reactions</b>                | No dangerous reactions known                          |
| · <b>Conditions to avoid</b>                               | No further relevant information available.            |
| · <b>Incompatible materials:</b>                           | No further relevant information available.            |
| · <b>Hazardous decomposition products:</b>                 | No dangerous decomposition products known             |

**11 Toxicological information**

- **Information on toxicological effects**
- **Acute toxicity**
- **LD/LC50 values that are relevant for classification:**

**126-71-6 triisobutyl phosphate**

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | >5000 mg/kg (rat)    |
| Dermal | LD50 | >5000 mg/kg (rabbit) |

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

|            |          |                                      |
|------------|----------|--------------------------------------|
| Oral       | LD50     | 125 mg/kg (ATE)<br>279 mg/kg (rat)   |
| Dermal     | LD50     | 311 mg/kg (ATE)<br>>2000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.27 mg/l (ATE)<br>0.6 mg/l (rat)    |

- **Primary irritant effect:**
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitisation** No sensitizing effect known.

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**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:**

**126-71-6 triisobutyl phosphate**

|          |                                       |
|----------|---------------------------------------|
| EC50/24h | 10-100 mg/l (Daphnia magna)           |
| EC50/72h | 10-100 mg/l (Scenedesmus subspicatus) |
| LC50/96h | >100 mg/l (Oncorhynchus mykiss)       |
|          | 10-100 mg/l (Leucidus idus)           |
| EC50     | >100 mg/l (Pseudomonas putida)        |
| NOEC     | 37 mg/l (BEL)                         |

**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.

**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:**

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### 14 Transport information

|  |  |
|--|--|
| · <b>UN-Number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                                    | Void   |
| · <b>UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Void   |
| · <b>Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void   |
| · <b>Environmental hazards:</b><br>· <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.

### 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)

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*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. 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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