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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

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

· **1.1 Product identifier**

· **Trade name** **A 270**

· **Article number:** 3060

· **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** Regulated set cement

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:** BOTAMENT Systembaustoffe
Am Kruppwald 1
D-46238 Bottrop

Tel.: ++49(0)2041 101-90
Fax.: ++49(0)2041 101-988

· **Informing department:** Product safety department.
msds@botament.com

· **1.4 Emergency telephone number:** Tel.: +49 / (0)700 24112112 (MCR)
Tel.: +48612864565
Abteilung Produktsicherheit

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## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008**

Eye Dam. 1 H318 Causes serious eye damage.

· **2.2 Label elements**

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

· **Hazard pictograms**

GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:** Cement, portland, chemicals
Cr(VI)<2ppm

· **Hazard statements** H318 Causes serious eye damage.

· **Precautionary statements**

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.

P310 Immediately call a POISON CENTER/doctor.

(Contd. on page 2)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 1)

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

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## SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Mixture consisting of the following components.

· **Dangerous components:**

| | | |
|---|---|---|
| CAS: 7778-18-9<br>EINECS: 231-900-3 | calcium sulphate, natural<br>Acute Tox. 4, H302; Acute Tox. 4, H332 | <25% |
| CAS: 65997-15-1<br>EINECS: 266-043-4 | Cement, portland, chemicals<br>Cr(VI)<2ppm<br>Eye Dam. 1, H318; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335 | ≥3-<5% |

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

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## SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **After inhalation** Supply fresh air.
· **After skin contact** Instantly wash with water and soap and rinse thoroughly.
· **After eye contact** Rinse opened eye for several minutes under running water. Seek medical treatment.
· **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.

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## SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents** Use fire fighting measures that suit the environment.
· **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.



(Contd. on page 3)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 2)

## SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
· **6.2 Environmental precautions:** No special measures required.
· **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
· **6.4 Reference to other sections** See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

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## SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** Prevent formation of dust.
· **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:** Keep container tightly sealed.
· **7.3 Specific end use(s)** No further relevant information available.

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## SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**
· **Additional information about design of technical systems:** No further data; see item 7.

| · **Components with critical values that require monitoring at the workplace:** | |
|---|---|
| **65997-15-1 Cement, portland, chemicals**<br>**Cr(VI)<2ppm** | |
| WEL | Long-term value: 10* 4** mg/m³<br>*inhalable dust **respirable dust |

| · **DNELs** | | |
|---|---|---|
| **7778-18-9 calcium sulphate, natural** | | |
| Oral | DNEL | 1.52 mg/kg bw/Tag (ArL) |
| Inhalative | DNEL | 21.17 mg/m³ (ArL) |

(Contd. on page 4)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 3)

| **65997-15-1 Cement, portland, chemicals Cr(VI)<2ppm** | | |
|---|---|---|
| Inhalative | DNEL | 1 mg/m³ (ArL) |

| · **PNECs** | |
|---|---|
| **7778-18-9 calcium sulphate, natural** | |
| PNEC | 100 mg/l (Kla) |

· **Additional information:** The lists that were valid during the compilation were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment**
· **General protective and hygienic measures** Keep away from foodstuffs, beverages and food.
Instantly remove any soiled and impregnated garments.
Wash hands during breaks and at the end of the work.
Avoid contact with the eyes and skin.

· **Breathing equipment:** In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

· **Protection of hands:** Protective gloves.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
After use of gloves apply skin-cleaning agents and skin cosmetics.

· **Material of gloves** Strong gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses
· **Body protection:** Protective work clothing.

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## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**
· **General Information**
· **Appearance:**
**Form:** Powder
**Colour:** Grey
· **Smell:** Odourless

· **Change in condition**
**Melting point/freezing point:** Not determined
**Initial boiling point and boiling range:** Not determined
Not applicable

(Contd. on page 5)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 4)

| | |
|---|---|
| · **Flash point:** | Not applicable |
| · **Self-inflammability:** | Product is not selfigniting. |
| · **Explosive properties:** | Product is not explosive. |
| · **Density** | Not determined |
| · **Solubility in / Miscibility with Water:** | Unsoluble |
| · **9.2 Other information** | No further relevant information available. |

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

| · **LD/LC50 values that are relevant for classification:** | | |
|---|---|---|
| **7778-18-9 calcium sulphate, natural** | | |
| Oral | LD50 | >1581 mg/kg (rat) |
| Dermal | NOAEL | 790 mg/kg (rat) |
| Inhalative | LC50/4 h | >2.61 mg/l (rat) |
| **65997-15-1 Cement, portland, chemicals Cr(VI)<2ppm** | | |
| Dermal | LD50 | 2000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | 5 mg/l (rat) |

· **Primary irritant effect:**
· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
· **Serious eye damage/irritation** Causes serious eye damage.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Additional toxicological information:**
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **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.

(Contd. on page 6)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 5)

· **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.

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## SECTION 12: Ecological information

· **12.1 Toxicity**

| · **Aquatic toxicity:** | |
|---|---|
| **7778-18-9 calcium sulphate, natural** | |
| EC50/72h | >79 mg/l (Selenastrum capricornutum) |
| LC50/96h | >79 mg/l (fish) |
| EC50 | >790 mg/l (BEL) |
| EC50/48h | >79 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.
· **Additional ecological information:**
· **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

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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.
· **Waste disposal key number:** 91206
Bez.: Baustellenabfälle (nicht Bauschutt)

· **Uncleaned packagings:**
· **Recommendation:** Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

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## SECTION 14: Transport information

· **14.1 UN-Number**
· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**
· **ADR, ADN, IMDG, IATA** Void

(Contd. on page 7)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 6)

| | |
|---|---|
| · **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 Transport in bulk according to Annex II of Marpol and the IBC Code** | Not applicable. |
| · **UN "Model Regulation":** | Void |

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## SECTION 15: Regulatory information

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

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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## 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** H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.

· **Department issuing data specification sheet:** Environment protection department.

· **Contact:** Mr. Hemming

· **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)

(Contd. on page 8)

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

Printing date 24.10.2021 Version number 5 Revision: 18.10.2021

**Trade name A 270**

(Contd. of page 7)

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. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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