SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name: AALBORG EXCEL
Container size: 25 kg, BigBags

1.2. Relevant identified uses of the substance or mixture and uses advised against
Shrinkage reduced, ready-to-use self-levelling High Performance Concrete for thin/slim concrete products with high aesthetic, mechanical and durability performance. White base colour for personal tailorization in terms of pigments and/or fibers.
Please consult Product information brochure for performance properties, and for inspiration with respect to the use of pigments and fibres.
Guaranteed shelf life is 12 months from production date, properly stored: dry in unopened bags – Production Date stamped on the bag.

1.3. Details of the supplier of the safety data sheet
Ul. Targowa 24
03-733 Warszawa
Poland
Tel:+48 22 460 88 70
Fax:+48 22 460 88 72
www.aalborgportland.pl

Responsible for safety data sheet authoring: extreme@aalborgportland.com

1.4. Emergency telephone number
Emergency telephone: +48 22 460 88 70 Only during office hours
SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified:

CLP:
Eye Dam. 1; H318 - Skin Irrit. 2; H315 - STOT SE 3; H335

2.2. Label elements

Danger
Contains:
Portland cement
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
P102 Keep out of reach of children.
P260 Do not breathe dust.
P280 Wear protective gloves, eye and face protection.
P305/351/338 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.
P501 Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.
Other: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.
Contains: Calcium oxide. When mixed with water it will form calcium hydroxide which has a corrosive effect on skin and eyes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The following substances shall be indicated according to legislation:
SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Do not rub eye. Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Continue flushing during transport to hospital. Bring along these instructions.

Ingestion: Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

5.3. Advice for firefighters

Protective equipment for firefighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace. In case of contact with water used for fire extinguishing, use chemical resistant protective suit.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:**
Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Use work methods which minimise dust production.

6.2. Environmental precautions

**Environmental precautions:**
The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

6.3. Methods and material for containment and cleaning up

**Methods for cleaning up:**
Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like.

6.4. Reference to other sections

**References:**
For personal protection, see section 8.
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

**Safe handling advice:**
Observe good chemical hygiene practices. Avoid spreading dust. Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact. Change contaminated clothing.

**Technical measures:**
Use work methods which minimise dust production.

**Technical precautions:**
Mechanical ventilation may be required. Provide easy access to water supply and eye wash facilities.

7.2. Conditions for safe storage, including any incompatibilities

**Technical measures for safe storage:**
No special precautions.

**Storage conditions:**
Store in closed original container in a dry place. Seal opened containers and use up as soon as possible. When stored in humid conditions, the chromate neutralisation will decrease.

7.3. Specific end use(s)

**Specific use(s):**
Not relevant.
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

<table>
<thead>
<tr>
<th>CAS-No.:</th>
<th>Chemical name:</th>
<th>As:</th>
<th>Exposure limits:</th>
<th>Type:</th>
<th>Notes:</th>
<th>References:</th>
</tr>
</thead>
<tbody>
<tr>
<td>65997-15-1</td>
<td>Portland cement, respirable dust</td>
<td>-</td>
<td>4 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>EH40</td>
</tr>
<tr>
<td>65997-15-1</td>
<td>Portland cement, inhalable dust</td>
<td>-</td>
<td>10 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>EH40</td>
</tr>
<tr>
<td>14808-60-7</td>
<td>Silica crystalline, respirable</td>
<td>-</td>
<td>0.1 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>EH40</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Limestone, total inhalable dust</td>
<td>-</td>
<td>10 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>EH40</td>
</tr>
<tr>
<td>1317-65-3</td>
<td>Limestone, respirable dust</td>
<td>-</td>
<td>4 mg/m3</td>
<td>TWA</td>
<td>-</td>
<td>EH40</td>
</tr>
</tbody>
</table>


8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of dust.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: During dust-raising work: Use respiratory equipment with particle filter, type P2.

Hand protection: Wear protective gloves. Nitrile gloves are recommended. Other types of gloves can be recommended by the glove supplier.

Eye protection: Wear goggles/face shield.

Skin protection: Wear special protective clothing. Hood or helmet shall be used in connection with splashing work.

Hygiene measures: Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Environmental Exposure Controls: Not available.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form: Powder, dust.
Colour: Grey / white
Odour: Odourless.
pH: READY-TO-USE MIXTURE: 12-13
Boiling point: Not relevant.
Flash point: Not available.
Evaporation rate: Not relevant.
Flammability (solid, gas): Not available.
Explosive limits: Not available.
Vapour pressure: Not relevant.
Vapour density: Not relevant.
Relative density: Not available.
Solubility: Slightly soluble in water. 0.1-1%
Partition coefficient (n-octanol/water): Not relevant.
Auto-ignition temperature (°C): Not relevant.
Decomposition temperature (°C): Not relevant.
Viscosity: Not relevant.
Explosive properties: Not considered to be explosive.
Oxidising properties: Not available.

9.2. Other information

Other data: Not available.
SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity
Reactivity: None known.

10.2. Chemical stability
Stability: Stable under normal temperature conditions. The content of chromate reducing agent is gradually diminished.

10.3. Possibility of hazardous reactions
Hazardous Reactions: None known.

10.4. Conditions to avoid
Conditions/materials to avoid: The product will harden into a hard mass in contact with water and moisture.

10.5. Incompatible materials
Incompatible materials: Not known.

10.6. Hazardous decomposition products
Hazardous decomposition products: None in particular.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.
Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.
Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.
Skin Corrosion/Irritation: Causes skin irritation.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
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: May cause respiratory irritation.
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.

Inhalation: Dust may irritate throat and respiratory system and cause coughing.
Skin contact: Dust has an irritating effect on moist skin. Prolonged or repeated contact: Risk of sensitisation or allergic reactions among sensitive individuals.
Eye contact: Dust or splashes from the mixture may cause permanent eye damage. Immediate first aid is necessary.
Ingestion: Not likely, due to the form of the product. Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.
Specific effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is not expected to be hazardous to the environment.

12.2. Persistence and degradability

Degradability: The product reacts with water to form a solid insoluble reaction product which is non-degradable, according to information available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Other adverse effects: None known.
SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste. Note that fully cured material is not considered as hazardous waste.

Waste from residues: EWC-code: 10 13 06
Empty packaging: EWC-code: 15 01 01

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
UN-No: -

14.2. UN proper shipping name
Proper Shipping Name: -

14.3. Transport hazard class(es)
Class: -

14.4. Packing group
PG: -

14.5. Environmental hazards
Marine pollutant: -
Environmentally Hazardous substance: -

14.6. Special precautions for user
Special precautions: None known.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Transport in bulk: Not relevant.
SECTION 15: REGULATORY INFORMATION

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


The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.


The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments.


15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

For restrictions on use see section 15.
The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements:

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.

vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008:

Calculation method.

Wording of H-statements:

H315 Causes skin irritation.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.