


1. Identification of the substance and company

1.1	Product name	Swecem Super Rapid		
1.2	Relevant identified of the substance and uses advised against	Cements are used in industrial installations to manufacture/formulate hydraulic binders for building and construction work, such as ready-mixed concrete, mortars, renders, grouts, plasters as well as precast concrete.		
1.3	Manufacture:	Akmenės cementas AB J. Dalinkevičiaus str. 2, LT-85118 Naujoji Akmenė Lithuania	Supplier	Swecem AB Box 1291262 24 Ängelholm E-mail: info@swecem.com
1.4	Information:	Logistics: Henrik Palmkvist +46 (0) 733 84 84 88 Henrik.palmkvist@swecem.com		Sale: Helena Eriksson +46 (0) 733 83 76 82 helena.eriksson@swecem.com
1.5	Responsible for the safety data sheet	CTO Helena Eriksson +46 (0)733 83 76 82 helena.eriksson@swecem.com		
1.6	Emergency telephone number	SOS Alarm 112		
1.7	Toxic information	+46 (0)8 331231		

2. Hazards identification

2.1	Classification	Irritation, Category 1-3																	
2.1.1	According to Regulation (EC) No 1272/2008 (CLP)	<table border="1"> <thead> <tr> <th>Hazard class</th> <th>Hazard category</th> <th>Hazard statements</th> </tr> </thead> <tbody> <tr> <td>Skin irritation</td> <td>2</td> <td>H315: Causes skin irritation</td> </tr> <tr> <td>Serious eye damage/eye irritation</td> <td>1</td> <td>H318: Causes serious eye damage</td> </tr> <tr> <td>Skin sensitisation</td> <td>1B</td> <td>H317: May cause an allergic skin reaction</td> </tr> <tr> <td>Specific target organ toxicity single exposure respiratory tract irritation</td> <td>3</td> <td>H335: May cause respiratory irritation</td> </tr> </tbody> </table>			Hazard class	Hazard category	Hazard statements	Skin irritation	2	H315: Causes skin irritation	Serious eye damage/eye irritation	1	H318: Causes serious eye damage	Skin sensitisation	1B	H317: May cause an allergic skin reaction	Specific target organ toxicity single exposure respiratory tract irritation	3	H335: May cause respiratory irritation
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2.1.2	According to Directive 1999/45/EC Xi Irritant	R37/38 Irritating to respiratory system and skin R41 Risk of serious damage to eyes R43 May cause sensitisation by skin contact																	
2.2	Label elements	<p>Symbol:</p>  <p>Signal word: DANGER</p> <p>Hazard statements</p> <p>H318 Causes serious eye damage H315 Causes skin irritation H317 May cause an allergic skin reaction H335 May cause respiratory irritation</p>																	

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		<p>Precautionary statements</p> <p>P102 Keep out of reach of children</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician P302+P352+P333+P313 IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention P261+P304+P340+P312: Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell</p> <p>P501 Dispose of contents/container to in accordance with local requirements</p> <p>Supplemental information Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns. May cause damage to products made of aluminium or other non-noble metals.</p>
2.3	Other hazards	-

3. Composition/information in ingredients

3.1	Mixtures Portland cement according to the EN 197-1 standard:	<table border="1"> <thead> <tr> <th rowspan="2">Substance</th> <th rowspan="2">Conc. range (W/W in cement)</th> <th rowspan="2">Registration number</th> <th rowspan="2">EINECS</th> <th rowspan="2">CAS</th> <th colspan="2">Classification 67/548/EEC</th> <th colspan="2">Classification Regulation 1272/2008</th> </tr> <tr> <th>Symb. [C&L]</th> <th>R</th> <th>Hazard class, category</th> <th>Hazard statement</th> </tr> </thead> <tbody> <tr> <td rowspan="4">Portland cement clinker</td> <td rowspan="4">95-100%</td> <td rowspan="4">Not applicable</td> <td rowspan="4">266-043-4</td> <td rowspan="4">65997-15-1</td> <td rowspan="4">Xi</td> <td>R37</td> <td>STOT SE 3</td> <td>H335: May cause respiratory irritation</td> </tr> <tr> <td>R38</td> <td>Skin irritation 2</td> <td>H315: Causes skin irritation</td> </tr> <tr> <td>R41</td> <td>Serious eye damage /eye irritation 1</td> <td>H318: Causes serious eye damage</td> </tr> <tr> <td>R43</td> <td>Skin sensitisation 1B</td> <td>H317: May cause an allergic skin reaction</td> </tr> <tr> <td>Gypsum</td> <td>4-5%</td> <td>Not applicable</td> <td>-</td> <td>13397-24-5</td> <td colspan="4">This substance is not classified as dangerous according to the EC Regulations 67/548/EEC and 1272/2008/EC</td> </tr> <tr> <td rowspan="2">Grinding aid</td> <td rowspan="2">0-0,3%</td> <td rowspan="2">Not available*</td> <td rowspan="2">000122-20-3</td> <td rowspan="2">204-528-4</td> <td rowspan="2">Xi</td> <td>R36</td> <td>Serious eye damage /eye irritation 1</td> <td>H319: Causes serious eye irritation</td> </tr> <tr> <td>R52/53</td> <td>Chronic hazards to the aquatic environment 3</td> <td>H412: Harmful to aquatic life with long lasting effects</td> </tr> <tr> <td rowspan="2">Reducing agent</td> <td rowspan="2">0-0.5%</td> <td rowspan="2">*</td> <td rowspan="2">231-753-5</td> <td rowspan="2">7782-63-0</td> <td rowspan="2">Xn</td> <td>R22</td> <td>Acute Tox.4</td> <td>H302: harmful if swallow</td> </tr> <tr> <td>R 36/38</td> <td>Eye irritation 2 Skin irritation 2</td> <td>H315: Causes skin irritation H319: Causes serious eye irritation</td> </tr> </tbody> </table>	Substance	Conc. range (W/W in cement)	Registration number	EINECS	CAS	Classification 67/548/EEC		Classification Regulation 1272/2008		Symb. [C&L]	R	Hazard class, category	Hazard statement	Portland cement clinker	95-100%	Not applicable	266-043-4	65997-15-1	Xi	R37	STOT SE 3	H335: May cause respiratory irritation	R38	Skin irritation 2	H315: Causes skin irritation	R41	Serious eye damage /eye irritation 1	H318: Causes serious eye damage	R43	Skin sensitisation 1B	H317: May cause an allergic skin reaction	Gypsum	4-5%	Not applicable	-	13397-24-5	This substance is not classified as dangerous according to the EC Regulations 67/548/EEC and 1272/2008/EC				Grinding aid	0-0,3%	Not available*	000122-20-3	204-528-4	Xi	R36	Serious eye damage /eye irritation 1	H319: Causes serious eye irritation	R52/53	Chronic hazards to the aquatic environment 3	H412: Harmful to aquatic life with long lasting effects	Reducing agent	0-0.5%	*	231-753-5	7782-63-0	Xn	R22	Acute Tox.4	H302: harmful if swallow	R 36/38	Eye irritation 2 Skin irritation 2	H315: Causes skin irritation H319: Causes serious eye irritation
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4. First aid measures

4.1	Inhalation	Dust inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.
4.2	Skin contact	Remove contaminated clothes and rinse skin thoroughly with water.
4.3	Eye contact	Do not rub eye. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.
4.4	Ingestion	Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

5. Firefighting measures

5.1	Extinguishing media	The product is non-combustible
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6. Accidental release measure

6.1	Personal precautions	Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact
6.2	Environmental precautions	The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.
6.3	Methods for cleaning up	Use a vacuum cleaner. If not possible, moisten dust with water before it is collected with shovel, broom or the like.
6.4	References	Sections 4, 5, 7 and 8

7. Handling and storage

7.1	Safe handling advice	Avoid inhalation of dust. Avoid contact with eyes and prolonged skin contact.
7.2	Storage conditions:	In suitable closed silos, suitable sacks or approved intermediate storage or disposal. Dust problems and spillage must be prevented during storage.
7.3	Final use	Section 1.2

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8. Exposure controls/ Personal protection

8.1	Engineering measures	Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.
8.2	Control parameters	Portland Cement, total inhalable dust– Exposure limits = 10 mg/m ³ Portland Cement, respirable dust – Exposure limits = 5 mg/m ³
8.3	Personal protection:	INHALATION Short-term work: Use respiratory equipment with particle filter, type P2/P3. Long-term work: Use respiratory equipment with particle filter, type P2/P3. Respiratory equipment with turbo unit may be used. Risk of oxygen deficit (closed systems, e.g. silo): Use fresh air-supplied respirator SKIN CONTACT: Use suitable work gloves. EYE CONTACT: Tight-fitting goggles. Not relevant if full-mask is used.

9. Physical and chemical properties

9.1	Appearance	Light grey to grey powder
9.2	pH in water	11-13,5
9.3	Relative density (kg/m ³):	2750-3200

10. Stability and Reactivity

10.1	Reactivity	None
10.2	Chemical stability	Stable
10.3	Hazardous reactions	None
10.4	Conditions to avoid	Section 10.1 och 10.2
10.5	Incompatible materials:	-
10.6	Hazardous decomposition products:	Section 10.2

11. Toxicological information

11.1	Inhalation	When adding water, small amounts of ammonia are released which will irritate the respiratory system. Dust may irritate throat and respiratory system and cause coughing.
11.2	Eye contact	Irritating and causes redness and pain.
11.3	Skin contact	Dust has an irritating effect on moist skin.
11.4	Ingestion	Ingestion may cause severe irritation of the mouth, the esophagus and the gastrointestinal tract.

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12. Ecological information

12.1	Toxicity	The product is not hazardous to the environment. Ecotoxicological tests with Portland cement on <i>Daphnia magna</i> [Reference (5)] and <i>Selenastrum coli</i> [Reference (6)] have shown little toxicological impact. Therefore LC50 and EC50 values could not be determined [Reference (7)]. There is no indication of sediment phase toxicity [Reference (8)]. The addition of large amounts of cement to water may, however, cause a rise in pH and may, therefore, be toxic to aquatic life under certain circumstances.
12.2	Degradability:	-
12.3	Bioaccumulative potential:	-
12.4	Mobility:	-
12.5	Results of PBT and vPvB assessment	-
12.6	Other adverse effects:	-

13. Waste treatment methods

13.1	Dispose of waste and residues in accordance with local authority requirements. Remains, which the supplier can't offer to take back, should be delivered to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste from residues: EWC entry: 10 13 06
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14. Transport information

14.1	UN-number	-
14.2	Proper shipping name	Section 14.1
14.3	Classification	Section 14.1
14.4	Packing group	Section 14.1
14.5	Environmental hazards	Not relevant
14.6	Special precautions	None known.
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and IBC code	Section 14.1

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15. Regulatory information

15.1	National regulation	Cement is a mixture according to REACH and is not subject to registration. Cement clinker is exempt from registration (Art 2.7 (b) and Annex V.10 of REACH). The marketing and use of cement is subject to a restriction on the content of soluble Cr (VI) (REACH Annex XVII point 47 Chromium VI compounds).
15.2	Chemical safety	Section 10

16. Other information

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

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.

Hazards identifications and H-phrases	H318, H315, H317, H335
Information to creator of this safety sheet	Henrik Palmkvist, henrik.palmkvist@swecem.com
Latest update	3d edition, Updated contact information 2017-10-03

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