

Safety Data Sheet

According to the regulation (EG) No. 1907/2006 (REACH)


Created: 20.02.2009

Revised at: 18.01.2011

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1. Designation of the substance/formulation and the enterprise		
1.1.	Designation of the substance or formulation:	multiContact MC 55 W
1.2.	Use of the substance/of the formulation:	Plaster mortar
1.3.	Company's name:	Baumit GmbH Reckenberg 12 D-87541 Bad Hindelang Tel. + 49 8324 921 0 Telefax + 49 8324 921 470 e-Mail info@baumit.de , sdb@baumit.de
1.4.	Emergency number:	Poison Control Centre Mainz +49 6131 19240

2. Possible Hazards		
2.1	Classification of the material or mixture	The substance / formulation is classified as dangerous according to the guideline 1999/45/EG.
2.2	Marking elements	
2.2.1	Hazard symbol(s)	
2.2.2	Hazard designation(s)	Irritant
2.2.3	Risk phrase(s):	R37/38: Irritating to respiratory system and skin R41: Risk of serious damage to eyes
		S 2: Keep out of the reach of children S22: Do not inhale dust S24/25: Avoid contact with skin and eyes S26: In case of contact with eyes, rinse immediately with plenty of water S28: In case of contact with skin, rinse immediately with plenty of water S36/37/39: Wear suitable protective clothing, gloves and eye/face protection S46: If swallowed, seek medical advice immediately and show the packaging or label.
2.3	Other hazards	The product reacts strongly alkaline with moisture. The product mixed with water can cause serious skin-damages after longer contact. Repeatedly inhaling of higher amounts of cement-dust increases the risk of illness of the respiratory system. Due to the use of white Portland cement, the product is without chromates. The product is slightly hazardous for water.

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3. Composition/details to components																						
3.1	Mixture: Mixture of white portland cement according to RL 2003/53/EG, calcium hydroxide, aggregates and additives																					
3.1.1	Hazardous ingredients:																					
	<table border="1"> <thead> <tr> <th>Designation</th> <th>EINECS No.:</th> <th>CAS-No.</th> <th>Content %</th> <th>Grading</th> <th>Symbol</th> <th>R-phrases</th> </tr> </thead> <tbody> <tr> <td>Portland cement clinker</td> <td>266-043-4</td> <td>65997-15-1</td> <td>10 - <30</td> <td>Irritating</td> <td></td> <td>R37/38/41</td> </tr> <tr> <td>Calcium hydroxide</td> <td>215-137-3</td> <td>1305-62-0</td> <td>5 - <10</td> <td>Irritating</td> <td></td> <td>R37/38/41</td> </tr> </tbody> </table>	Designation	EINECS No.:	CAS-No.	Content %	Grading	Symbol	R-phrases	Portland cement clinker	266-043-4	65997-15-1	10 - <30	Irritating		R37/38/41	Calcium hydroxide	215-137-3	1305-62-0	5 - <10	Irritating		R37/38/41
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	The wording of the mentioned R-phrases can be seen at item 16.																					

4. First Aid Guide	
4.1	Description of the first-aid measures: Help quickly
4.2	Most important acute and delayed appearing symptoms and effects No long-term effects are known
4.2.1	Inhaling: Arrange fresh air. Consult a physician in case of discomfort.
4.2.2	Contact with skin: Wash away immediately after contact with skin. Remove polluted clothes. Consult a physician in case of discomfort.
4.2.3	Contact with eyes: Rinse thoroughly for 10 min. with lots of water (or salt solution for eyes, eye-wash) in case of contact with eyes. Never rub them dry, because the cornea can get damaged, due to the mechanical strain. Always contact an eye-specialist.
4.2.4	Swallowing: If conscious, rinse the mouth and drink plenty of water with small swallows. Never cause vomiting. Consult a physician immediately..
4.3	Notes for the physician: No information

5. Measures for fire-fighting:	
5.1	Extinguishing agents: The formulation is incombustible neither in original- nor in mixed state.
5.1.1	Suitable extinguishing agents: Extinguishing agents and fire-fighting shall be adjusted to the surrounding fire.
5.1.2	Unsuitable extinguishing agents, due to safety reasons: No information
5.2	Special hazards based on the product or mixture None
5.3	Special notes for fire fighting: No special measures for fire fighting are necessary. Don't let the extinguishing water into sewers. Cool closed packages near the fire.

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6. Measures for accidentally release	
6.1	Personal precautions, protective equipment, and emergency measures: Avoid contact with eyes and skin. Individual precautions see point 8. Exhaust facilities are recommended in buildings, to reduce the dust concentration as much as possible.
6.2	Measures for environmental protection: Keep the formulation dry and keep it covered to avoid dust formation. Don't let the product get into sewers, surface- or ground water. (increases the ph-value)
6.3	Methods for cleaning: Absorb mechanically (e.g. vacuum cleaning) let the mixed formulation cure and afterwards dispose it according respective regulations (according point 13.).
6.4	Additional notes: See chapter 8 and 13

7. Handling and storage	
7.1.	Handling: Notes for safe manipulation: Avoid dust formation. When open mixers are in use, fill in water first, afterwards let the dry product slowly in. Keep the filling height low. Start the mixer slowly. Compress empty packages only in overbags. Avoid contact with skin and eyes by personal protective equipment according point 8. Ensure suitable ventilation. If necessary, use respiratory protection according chapter 8. Never kneel in the fresh product.
7.2.	Storage: Never store the product together with acids or food. Storage shall be done dry and in the original packaging. Avoid contact with moisture. Obtain the notes of the manufacturer for storing..

8. Expositions-limit and personal protective equipment				
8.1.	Parameter to be monitored: (Source: TRGS 900)	Name of the substance:	CAS No.	AGW
		General dust limit	--	3 mg/m ³ (A) 10 mg/m ³ (E)
		Portland cement (dust)	65997-15-1	5 mg/m ³ (E)
8.2.	Limiting and monitoring of the exposition:			
8.2.1	Limiting and monitoring the exposition at the working place:	Avoid dust formation during handling and provide a possibility for according ventilation systems respectively, or use closed handling systems		
	General protective- and hygienic measures:	Obay the regulations of the insurance associations. Instruction sheet T 002 hose lines – safe use, BGI 572		
	Inhalation protection:	Wear particle filtering masks (e.g. EN 149 FFP 2/1) if the exposure limit values are exceeded (possible during mixing)		
	Hand protection:	Wear Nitrile-soaked cotton-gloves with CE-mark.		
	Eye protection:	Wear sealed protective glasses in case of splash-risk or dust-formation. (prepare eye-wash)		
	Skin protection:	Protection cream		
	Body protection:	Wear sealed long-sleeved working clothes and sealed shoes.		
8.2.2	Limiting and monitoring of the exposition to the environment:	Equip the ventilation system with filters.		

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9. Physical and chemical characteristics	
9.1.	Information to the basic physical and chemical properties:
Appearance:	Powdery, grainy
Aggregate state:	solid
Colour:	nature-white
Smell:	odourless
Odour threshold:	No information
pH-value:	pH 11,5 – 13,5 in mixed state at supposed use
Melting-/freezing point:	Not applicable
Boiling point/boiling range:	Not applicable
Flashpoint:	Not applicable / solid matter non-flammable
Evaporation rate:	Not applicable
Flammability:	Not applicable / solid matter non-flammable
Explosion risk:	None
Oxidizing properties:	None
Combustibility:	Incombustible
Ignition point:	Not applicable
Density:	2,8 – 3,2 g/cm ³ at 20°C (portland cement)
Solubility in water:	little
Bulk density:	1200 – 1500 kg/m ³ at 20°C
VOC-content:	0,0 g/kg
9.2	Notes: Further specifications of physical- and chemical properties were abandoned according appendix II, chapter 9 of the VO (EG) No. 2007/2006, because they are not applicable.

10. Stability and reactivity	
10.1.	Reactivity Reacts alkaline with water, Cures with water
	Chemical stability Product is stable
	Possibility of dangerous reactions: No dangerous reactions
	Conditions to be avoided: Moisture: Formulation cures with moisture.
10.2.	Substances to be avoided: None known
10.3.	Dangerous decomposition products: No dangerous decomposition products are known.
	All data presume intended use.

11. Toxicological Data	
11.1	Information about toxic effects.
	The product as such is not tested. The formulation is classified by the conventional method and according to the toxicological dangers. (calculation method EU-guideline 1999/45/EG)
	Acute Toxicity: No toxic properties
	Irritation: Skin- and mucous membrane irritant effect is possible.
	Corrosivity: Not known
	Sensitisation: Multiple and ongoing contact with skin can lead to an allergisation of the skin and impairments.
	Toxicity after repeated administration: Not known

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11.1.1	Carcinogenicity:	No information
	Mutagenicity:	No information
	Reproductive toxicity:	No information
	Symptoms and effects (delayed and chronic) with information about routes of exposures	
	Inhalative:	Causes discomfort of the upper respiratory organs
	Orally:	Higher amounts can cause irritation of the gastro-intestinal tract.
	Dermal:	Irritation of intact skin combined with moisture. Strong irritation of damaged or wounded skin.
Contact with eyes:	Irrigating effect after contact with eyes. Possible mechanical strain by dust.	

12.	Environment-specific information	
12.1	Toxicity:	No information available
12.2	Persistence and degradability:	No information available
12.3	Bioaccumulation potential:	No information available
12.4	Mobility in the soil:	No information available
12.5	Results of the PBT- and vPvB-evaluation:	No information available
12.6	Other harmful effects:	When higher quantities of the product are released into water, the pH-value will rise. The pH-value decreases quick by dilution. (inorganic mineral building material).

13.	Notes for disposal	
13.1	Disposal:	Not used residual quantities of the product: Absorb mechanically, disposal according local and official regulations. Mix not used residual material with water and without skin contact and handle the cured material according local and official regulations. Never dispose together with household garbage. Never put residues into the toilet or sink. Unclean packages: Empty the packages completely and bring it to the recycling.
13.1.1	Waste code according EAK/AVV	17 01 01 concrete 17 09 04 mixed construction- and demolition waste; except those which fall under 17 09 01 and 17 09 03

14.	Information for transport	
	The product is <u>not</u> classified according the valid regulations for dangerous goods ADR, RID, AND, IMDG-code, ICAO-TI, IATA-DGR	
14.1	UN-No.	Not applicable
14.2	Proper UN-shipping name	Not applicable
14.3	Transport hazard class	Not applicable
14.4	Packing group	Not applicable
14.5	Environmental risk	Not applicable
14.6	Special precautions for the user	Not applicable
14.7	Transportation in bulk according to Annex II of MARPOL 73/78 and IBC code	Not applicable

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15. Information about statutory provisions	
Provisions for safety, health and environmental protection /specific statutory provisions for the substance or mixture	
German regulations:	Occupational safety act, hazardous goods regulation
Notes to employment limitation:	§ 22 JArbSchG
Banned chemical ordinance:	Not applicable
12. BImSchV (incident V)	Not applicable
Water hazard class:	WKG 1 (slightly hazardous for water) self classification
Technical instructions on air quality control:	No information
Other regulations, restrictions and prohibitions	Not applicable
Relevant TRGS:	TRGS 500, TRGS 900
Relevant UVV, BGV, BGR:	BGR 190 (rules for the use of breathing apparatus) BGR 192 (rules for the use of eye- and face protection masks) BGR 189 (rules for the use of protective clothes) BGR 195 (rules for the use of protective gloves)
GISCODE	ZP1 cement containing products, low chromate
Storing class according TRGS 510	Storing class 13 (non-combustible solid substances)
Chemical safety assessment	Not applicable

16. Other information	
<p><u>Wording of R-Phrases with number and text:</u> R37/38: Irritating to respiratory system and skin R41: Risk of serious damage to eyes</p> <p>These data regard to the product in delivered state. The information in this safety data sheet describe the safety-requirements and are no assurance of characteristics of the product. For further information see the product data sheet.</p> <p>Created by: Department for Research and Development Contact for technical information: sdb@baumit.de</p> <p><u>Revised compared to former version:</u> Former product name: Bayosan multiContact MC 55 W Implementation VO (EU) No. 453/2010 VOC-content (chapter 9) and GISCODE (chapter 15) new.</p>	