

Safety Data Sheet AQUAPANEL® Cement Board

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

1.1	Substance/preparation: Commercial product name	AQUAPANEL® Cement Board Rooftop 12.5mm	
	Application	Fiberglass reinforced carrier plates and façade backing boards.	
1.2	Details of the supplier of the safety data sheet:	Knauf Aquapanel GmbH & Co. KG Zur Helle 11 D- 58638 Iserlohn Telephone: int+49-(0)2374-50360 Fax: int+49-(0)2374-5036300 e-mail: aquapanel.info@knauf.com	
1.3	Emergency telephone number:	Poison emergency call for Berlin and Brandenburg Telephone: int+49-(0)30-19240	

SECTION 2: CLASSIFICATION ACCORDING TO REGULATION (EC) NO 1272/2008

	Not classified as hazardous. The cement boards are articles according the regulation mentioned above. In case of cutting or drilling the boards, hazards can occur. Machine tools (including hand-held tools) must always be connected to an effective ventilation system, in case of ineffectiveness of other technical or organizational measures. As personal protective equipment for cutting operations use dust mask P2. Caution: During cutting operations, respirable fumed silica may be released. Always use suitable ventilation.		
2.1	Description of hazards	Hazards are not expected.	
2.2	Impact on human health	Hazards are not expected.	
2.3	Impact on environment	None	

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

	The product is an article according Regulation 1907/2006. The function of an article is mainly determined due to the specific shape, surface and less due to the chemical composition. The carrier plate is composed of cement, fillers and mineral fibres.													
3.1	Hazardous constituents according to Regulation 1907/2006/EC													
	<table border="1"> <thead> <tr> <th>CAS-No.</th> <th>EC-No.</th> <th>Chemical name</th> <th>m %</th> <th>pictogram</th> <th>H-Phrases</th> </tr> </thead> <tbody> <tr> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> </tr> </tbody> </table>	CAS-No.	EC-No.	Chemical name	m %	pictogram	H-Phrases	N/A	N/A	N/A	N/A	N/A	N/A	
CAS-No.	EC-No.	Chemical name	m %	pictogram	H-Phrases									
N/A	N/A	N/A	N/A	N/A	N/A									
	see for H-Phases at chapter 16.2.													
3.2	Substances, not listed in chapter 2.1 (see chapter 8.)	Portland cement CAS 65 997-15-1 / EC 266-043-4												
3.3	Additional information	low chromate concentration according to TRGS 613. (Germany), 1907/2006/EC Annex XVII, No 47, Chemicals prohibited												

SECTION 4: FIRST AID MEASURES

4.1	General information	Consult physician immediately, if discomfort occurs after contact with the product.	
4.2	Inhalation:	Remove the person to fresh air, obtain medical	

Safety Data Sheet AQUAPANEL® Cement Board

		assistance.	
4.3	Skin contact:	Flush immediately with plenty of water and soap. Remove contaminated clothing immediately from skin.	
4.4	Eye contact:	Irrigate with plenty of water and obtain medical advice.	
4.5	Ingestion:	Do not induce vomiting. Consult physician immediately.	
4.6	Information for the physician		
	Symptoms	N/A	
	Hazards	Hazards not expected	
	Treatment	symptomatic treatment	
4.7	First aid equipment	N/A	
4.8	Additional Information	None	

SECTION 5: FIREFIGHTING MEASURES

5.1	Suitable extinguishing media:	The product is not flammable.	
5.2	Unsuitable extinguishing media:	The product is not flammable.	
5.3	Special hazards caused by substance or preparation itself, its combustion products or released gases	Hazards not expected.	
5.4	Special protective equipment	Adapt equipment on surrounding combustion	
5.5	Additional information	None	

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal protection (see chapter 8., personal protection)	Ventilate sufficiently.	
6.2	Environmental protection (see chapter 13., disposal)	Keep away from surface water, ground water and drains.	
6.3	Methods on cleaning up	Absorb mechanically and dispose of according to legal provisions.	
6.4	Additional information	None	

SECTION 7: HANDLING AND STORAGE

(National regulations see chapter 15., 16.)

7.1	Handling		
	Advice on safe handling	See chapter 8.	
	Fire control and explosion prevention	No special measures	
	Additional requirements	None	
7.2	Storage		
	Requirements for storage and vessels	None	
	Advice on storage compatibility	Keep away from acids	
	Further information on storage conditions	Keep dry	
	Storage category	13 (VCI storage concept)	
7.3	Special usage	DNA	

Safety Data Sheet AQUAPANEL® Cement Board

SECTION 8: EXPOSURE AND PERSONAL PROTECTION

8.1	Exposure limit values																																
	<table border="1"> <thead> <tr> <th rowspan="2">Limit value type</th> <th rowspan="2">Substance</th> <th rowspan="2">CAS-No.</th> <th colspan="2">Limits</th> <th rowspan="2">Peak limitation</th> <th rowspan="2">Source</th> </tr> <tr> <th>mg/m³</th> <th>ml/m³</th> </tr> </thead> <tbody> <tr> <td>AGW (D, 2014)</td> <td>General dust limit</td> <td>---</td> <td>1,25 A 10 E</td> <td>---</td> <td>2(II)</td> <td>TRGS 900</td> </tr> <tr> <td>Directive 2019/130 / E</td> <td>Silica dust</td> <td>14808-60-7</td> <td>0,1 A</td> <td>---</td> <td>---</td> <td>Exposure limit of the European Union</td> </tr> <tr> <td>Occupational exposure limits (United Kingdom)</td> <td>Portland cement</td> <td>65997-15-1</td> <td>4 A 10 E</td> <td>---</td> <td>---</td> <td>Limit Values United Kingdom - WEL EH40/2005</td> </tr> </tbody> </table>	Limit value type	Substance	CAS-No.	Limits		Peak limitation	Source	mg/m ³	ml/m ³	AGW (D, 2014)	General dust limit	---	1,25 A 10 E	---	2(II)	TRGS 900	Directive 2019/130 / E	Silica dust	14808-60-7	0,1 A	---	---	Exposure limit of the European Union	Occupational exposure limits (United Kingdom)	Portland cement	65997-15-1	4 A 10 E	---	---	Limit Values United Kingdom - WEL EH40/2005		
Limit value type	Substance				CAS-No.	Limits			Peak limitation	Source																							
		mg/m ³	ml/m ³																														
AGW (D, 2014)	General dust limit	---	1,25 A 10 E	---	2(II)	TRGS 900																											
Directive 2019/130 / E	Silica dust	14808-60-7	0,1 A	---	---	Exposure limit of the European Union																											
Occupational exposure limits (United Kingdom)	Portland cement	65997-15-1	4 A 10 E	---	---	Limit Values United Kingdom - WEL EH40/2005																											
	A = respirable fraction E = inhalable fraction																																
8.2	Limitation and control of occupational exposure	See chapter 7																															
	Personal protection																																
	Respiratory protection	Not applicable in duly practice. In case of dust formation use dust mask P2.																															
	Hand protection	Use protective gloves.																															
	Eye protection	Protective goggles where eye contact is possible.																															
	Body protection	Wear protective overalls and footwear.																															
	Skin protection	Use revitalizing cream																															
	General measures	Wash hands before breaks and end of work. When using do not drink or eat.																															

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	General information		
	Form:	Solid,	
	Colour:	Cement-grey	
	Odour:	Odourless	
9.2	Important information on health and environmental safety		
	Melting point:	>1000 °C	
	Grammage (kg/m ²):	ca. 17	
	Density (g/cm ³):	1200 up to 1450	
9.3	Additional information	None	

SECTION 10: STABILITY AND REACTIVITY

10.1	Hazardous reactions	No hazardous reactions known.	
10.2	Hazardous decomposition products	No hazardous decomposition products known.	
10.3	Additional information	None	

Safety Data Sheet AQUAPANEL® Cement Board

SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Toxicological tests		
11.1.1	Acute toxicity / specific result of animal experiments		
	LD50 rats, oral (mg/kg)	DNA	
	LC50 rats, inhalation (mg/l/4h)	DNA	
	LD50 rats, dermal (mg/kg)	> 2000	
11.1.2	Irritancy and corrosiveness / sensitizing effect		
	Skin irritation	DNA	
	Eye irritation	Direct contact on mucous membranes may cause irritation of the eyes. Mechanic irritation possible (wear safety glasses).	
	Skin sensitisation	Repeated or prolonged contact may cause skin irritation (wear impervious gloves).	
11.1.3	Subchronic, prolonged toxicity / carcinogenetic, mutagenicity and reproductive toxicity effects		
	Carcinogenity	DNA	
	Mutagenicity	DNA	
	Reproductive toxicity	DNA	
	Chronic Toxicity	DNA	
11.1.4	Additional Information		
11.2	Past experience		
11.2.1	Relevant observations for classification	Due to the hydrophobic properties and the alkalinity of cement direct contact on mucous membranes may cause irritation of the eyes.	
11.2.2	Other observations	Repeated or prolonged contact may cause skin irritation.	
11.3	General information	Toxicity studies have not been conducted on this product.	

SECTION 12: ECOLOGICAL INFORMATION

12.1	Ecotoxicity		
	Aquatic Toxicity:		
	96 h LC50 (fish)	DNA	
	48 h EC50 (Daphnia)	DNA	
	72 h IC50 (Alga)	DNA	
	Waste water treatment plant:	DNA	
12.2	Mobility	DNA	
12.3	Persistence and degradability	DNA	
12.4	Bioaccumulation potential	DNA	
12.5	Other adverse effects	No assessment required	
	Ozone depletion	DNA	
	Potential for photochemical ozone formation	DNA	
	AOX	DNA	
12.6	Additional information		
	COD-Value	DNA	
	BOD-Value	DNA	
	Substances according to regulations 2006/11/EC	None	

Safety Data Sheet AQUAPANEL® Cement Board

12.7	Water endangerment category		
	Slightly water endangering (WGK1), self-classified		
	Keep away from drains, surface water and groundwater		
12.8	Result of PBT assessment	DNA	

SECTION 13: ADVICE ON DISPOSAL

13.1	Disposal according to national regulations (Abfallverzeichnis Verordnung, Germany) ('Ordinance on Waste Disposal')		
	Notice:	this recommendation is only for unused product, for further information please refer to local regulations	
	Category:	Construction and demolition wastes	
	Description:	concrete, bricks, tiles and ceramics	
	Waste code:	17 01 07 mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	
	Disposal:	D 1 above / in ground waste storage (e.g. landfill)	
	Recycling:	R 3/5 utilization/recuperation of organic materials, those that are not used as solvents	
		Utilization/recuperation of other organic materials	
13.2	Uncleaned packages		
	Advice:	containers are to be emptied. The containers can be reused.	
	Recommended cleaning procedure:	a removal of the dry remaining content is possible.	

SECTION 14: TRANSPORT INFORMATION

14.1	Land transport ADR / RID / GGVSE	Not classified as hazardous for transport.	
14.2	Marine transport IMDG / GGVSee	Not classified as hazardous for transport.	
14.3	Air transport ICAO / IATA	Not classified as hazardous for transport.	

SECTION 15: REGULATORY INFORMATION

15.1	National regulations		
	Advice on:	N/A	
	Statutory order on hazardous incidents:	N/A	
	Technical guidance on air quality:	N/A	
	Water hazard class:	WGK 1 (self-classification)	
	Other regulations, restrictions:	None known	
15.2	Chemical safety report	DNA	

SECTION 16: ADDITIONAL INFORMATION

16.1	Record retention	NA	
	Customers	industry, private consumers	
16.2	Wording of P-phrases		
	P280	Wear protective gloves/protective clothing/eye protection/face protection.	
	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	

Safety Data Sheet AQUAPANEL® Cement Board

		CENTER or doctor/physician.
	P302/P352/P333/313 - IF ON SKIN:	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
	P261/P304/P340/312 - Avoid breathing dust. IF INHALED:	Avoid breathing dust. 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.
16.3	Responsible division / contact / telephone	
	Contact information:	Knauf Aquapanel GmbH & Co. KG Zur Helle 11 D- 58638 Iserlohn Telephone: int+49-(0)2374-50360 Fax: int+49-(0)2374-5036300
	Version: 0005	
	Adding the occupational exposure limits (United Kingdom) for Portland cement at point 8.1.	
	Last update date (Knauf Aquapanel GmbH & Co. KG)	18.05.2020 (version 0005)
	Moy Materials Ltd version prepared by	Martin Bidewell
	The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.	