

Registered Trade Name: **BASWA Hybrid Panel**

product-no.: a018

version: 1

revised on: 12.05.2017

printed on: 12.05.2017

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

1.1 Product identifier:

Panel made by glass fibres and an open porous coating based on organically bonded recycled expanded glass granulate.

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Panels for bonding to ceilings and walls.

1.3 Details of the supplier of the safety data sheet:

BASWA *acoustic* AG

Street/p. o. box:

Marmorweg 10

National code/post code/location:

CH-6283 Baldegg / Switzerland

Telephone: +41 41 914 02 22

Fax: +41 41 914 02 20

E-Mail: info@baswa.com

Contact point for technical information:

BASWA *acoustic* AG

E-mail: msds@baswa.com, telephone: +41 41 914 02 11

1.4 Emergency telephone number:

Swiss Toxicological Information Centre Zurich (24-h service):

Switzerland: 145

Worldwide: + 41 44 251 51 51

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008: GHS (Global harmonized System):

The product is not classified as a hazardous material according to Regulation (EC) N^o

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1272/2008 (CLP)/ GHS (Global harmonized System)

2.2 Label elements:

According to Regulation (EC) No 1272/2008, GHS (Global harmonized System):

Hazard Pictograms: Not applicable

Signal word: Not applicable

Hazard statement(s): Not applicable

Precautionary statement(s): Not applicable

Additional information:

P101- If medical advice is needed, have product container or label at hand.

P102- Keep out of reach of children.

P103- Read label before use.

Avoid dust formation at all costs. The product mechanically irritates the eyes and the skin.

2.3 Other hazards:

None Know

SECTION 3. FIRST AID MEASURES:

3.1 Substances:

3.2 Mixtures:

Chemical Characterisation:

Tile component out of fibreglass:

Fibreglass composed of synthetically manufactured, non-directional, glassy silicate fibres (SiO₂, CaO, MgO, Na₂O, K₂O, Al₂O₃, Fe₂O₃, B₂O₃) with a proportion of alkali and alkali- earth metal oxides (Na₂O + K₂O + CaO + MgO + BaO > 18 wt. - %).

Material designation: fibreglass

CAS-no.: not allocated

EC-no.: not allocated

Safety data sheet in compliance with EC regulation no. 1907/2006
COMMISSION REGULATION (EU) 2015/830
Regulation (EC) No 1272/2008/ GHS (Global Harmonized System)

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Concentration: < 10 %
Classification: Carc.2, H351 (SECTION 16.2)

Material designation: terpolymer phenol – urea formaldehyde phenolplast
CAS-no.: not allocated
EC-no.: not allocated
Concentration: < 8 %
Classification: not regulated

Panel component out of plaster substrate sheet:

Acoustically active plaster substrate sheet based on a plastic bonded expanded glass granulate, mineral filling (limestone) and various organic and inorganic additives.

The composition is primarily determined by the proportion of silicate glass:

Material designation: silicon dioxide: SiO₂
CAS-no.: 7631-86-1
EC-no.: 231-545-4
Concentration: < 50 %
Classification: This substance is not classified as dangerous

Material designation: aluminium oxide: Al₂O₃
CAS-no.: 1344-28-1
EC-no.: 215-691-6
Concentration: < 2 %
Classification: This substance is not classified as dangerous

Material designation: disodium oxide: Na₂O
CAS-no.: 1313-59-3
EC-no.: 215-208-9
Concentration: < 10 %
Classification: This substance is not classified as dangerous

Material designation: calcium oxide: CaO
CAS-no.: 1305-78-8
EC-no.: 215-138-9
Concentration: < 6 %
Classification: Skin Irrit.2, H315; Eye Irrit.2, H319

Material designation: manganese oxide:
MgO

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CAS-no.: 1344-43-0
EC-no.: 215-695-8
Concentration: < 2 %
Classification: This substance is not classified as dangerous

Material designation: dipotassium oxide: K₂O
CAS-no.: 12136-45-7
EC-no.: 235-227-6
Concentration: < 1 %
Classification: This substance is not classified as dangerous

Material designation: plastic polymer based on acrylate /VAc / VeoVa[®]
CAS-no.: not allocated
EC-no.: not allocated
Concentration: < 10 %
Classification: This substance is not classified as dangerous

3.3 Further ingredients:

Material(s) with a common threshold for exposure at the place of work:

PBT material(s): none

vPvB material(s): none

3.4 Additional indications:

Occupational exposure limits, if available, are listed in SECTION 8.
See SECTION 16 for the full text of the H statements.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

Following contact with eyes:

Following contact with eyes flush copiously with water. Keep eyelids open for at least 10 minutes and flush. Consult a physician.

Following inhalation:

Remove the casualty immediately away from exposure and bring into the fresh air. As a precaution, consult a physician.

After skin contact:

Wash carefully off with soap and copious quantities of cold water. If symptoms develop, consult a specialist physician.

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After swallowing:

Flush mouth out with water. Give water to drink. In case of indisposition consult a doctor.
Never infuse anything into the mouth of an unconscious person.

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

None Known

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

Treat according to symptoms and supportively. Treat any remaining particles in the eye as foreign bodies.

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing agents:

Water, spray water mist, CO₂, foam, solid extinguishing agent

Extinguishing agents unsuitable on account of safety reasons:

None – select extinguishing agent according to the fire in the vicinity.

5.2 Special hazards arising from the substance or mixture:

The product contains a small amount of volatile organic materials, which can be emitted at elevated temperatures.

At elevated temperatures, smouldering gases can be emitted (see Section 10.3). In case of fire, toxic combustion products can be released (organic compounds, NO_x, CO).

5.3 advice for fire-fighting:

Wear respiratory protection that is independent of the surrounding air.

5.4 Additional indications:

Do not allow firewater to get into the sewers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

When handling products that can release fibre dust, the contamination at the work places

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should be kept as low as possible.

6.2 Environment precaution:

Avoid the formation of dust in the air.

6.3 Methods and material for containment and cleaning up:

If possible, gather up the dust moist. Avoid dust formation. Clean by vacuum instead of sweeping. Carry out thorough cleaning only at the end of the working day.

6.4 Reference to other sections:

SECTION 8
SECTION 13
SECTION 7

6.5 Additional indications:

None

SECCIÓN 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

7.1.1 Information for safe handling:

Dust is a typical by-product when assembling and disposal of building materials. Dust formation is to be reduced to a minimum (for example by good aeration and ventilation). Wear impermeable protective gloves and avoid contact with the eyes (see Section 8).

7.1.2 Information about fire and explosion protection:

Inapplicable – product is non-inflammable. No measures are necessary.

7.1.3 Further details:

none

7.2 Conditions for safe storage, including any incompatibility:

7.2.1 Requirements for storage rooms and containers:

The product should be stored and transported protected from moisture. The product is to be protected against rain (see Section 10.2).

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7.2.2 Information concerning storing together:

No measures are necessary.

7.2.3 Storage class:

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7.3 Specific end use(s):

The product is only intended for acoustic applications. It is not intended for thermal insulation applications.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name CAS no	Occupational Exposure limit value		Source
		Long term	Short term	
AGD(D)	General Dust limit	3mg/m ³ a 10 mg/m ³		TRGS 900
Limit (B)	Cellulose CAS no 9004-34-6	10mg/m ³		GESTIS
Limit (CAN)	Cellulose CAS no 9004-34-6	10mg/m ³		GESTIS
Limit (F)	Cellulose CAS no 9004-34-6	10mg/m ³ inhalable aerosol		GESTIS
Limit (E)	Cellulose CAS no 9004-34-6	10mg/m ³ inhalable aerosol		GESTIS
Limit (CH)	Cellulose CAS no 9004-34-6	3mg/m ³ Breathable aerosol		GESTIS
Limit (USA)	Cellulose CAS no 9004-34-6	15mg/m ³ Total Dust 5mg/m ³ Breathable Dust		GESTIS
Limit (GB)	Cellulose CAS no 9004-34-6	10mg/m ³ inhalable	20mg/m ³ inhalable	GESTIS

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		aerosol 4mg/m ³ Breathable aerosol	aerosol	
Schweiz- SUVA	Natural calciumcar- Bonate CASno1317-65-3	10mg/m ³ inhalable Dust 3mg/m ³ respirable Dust		
	fibre dust CAS no not allocated	4 mg/m ³		
	mineral fibres (synthetic), CAS no not allocated	0.25 mg/m ³		SUVA*

*(2003; MWC lists valid for fibres with an average diameter of less than 3 μm and an average length of greater than 5μm. Ratio length / diameter at least 3:1)

8.2 Exposure control:

8.2.1 Personal protective equipment:



Respiratory protection:

The use of half / quarter masks with a P2 filter or of particle-filtering half masks FFP2 is recommended.

Hand protection:

Wear protective gloves in compliance with EN 374.

Eye protection:

The wearing of protective glasses with side protection, which protect from dust and particles (EN 166), is an absolute prerequisite.

Body protection:

The utilisation of disposable overalls or dust repellent clothing is recommended. Wash hands prior to breaks, after the end of work and prior to using sanitary installations.

Change all clothing at the end of the working day. Do not rub the skin prior to washing! First of all wash (take a cold shower!) in order to close the skin pores. Fatty skin ointment

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is recommended for care of the skin.

8.2.2 Environment exposure controls:

Take care that the room is well ventilated.

Avoid dust formation (for example cut tiles with a knife instead of with a saw).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

9.1.1 Appearance:

Form: Solid (in the form of a tile) – non-crystalline, homogeneous structure

Colour: Fibreglass: yellow or brown / coating: cream/white

Odour: odourless

9.1.2 Safety-relevant Data:

Description	Value	Method	Comments
pH (20 °C)			not applicable
Melting point / - range (+°C)	approx. 900		Literature value
Boiling point (°C)			not determined
Ignition point (°C)	non	EN 13501	Building material
Explosion hazard	non		not applicable
Lower explosion limit	none		not applicable
Upper explosion limit	none		not applicable
Ignition temperature (°C)	non	EN 13501	Building material
Fire-promoting properties	none	EN 13501	Building material
Vapour pressure (°C)			not determined
Density (kg/m ³)	150 to 250		
Bulk density (kg/m ³)			not applicable
Solubility in water (g/l at 20°C)	insoluble		in water
Partition coefficient n-octanol /	insoluble		in fat
Dynamic viscosity (mPas/20 °C)			
Flow time			not determined
Vapour pressure			not determined
Evaporation speed			not determined
Solvent separation test			not applicable
Solvent content	solvent free		not determined
Conductivity			not determined
Corrosion			not determined
Miscibility	insoluble		not determined
Gas group			not applicable
Spontaneous ignition			not applicable

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9.2 Other information:

The product has been classified as building material class A2 (non inflammable) according to EN 13501:

CSTB, Paris, licence number: RA07-0053

DIBt, Berlin, licence number: Z-56.421-947

The data given in Section 9 are typical values for the product and cannot be considered as product or supply specification

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

The product is stable under conditions of normal temperature and pressure.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

None

10.4 Conditions to avoid:

It contains binding agents which thermally decompose above temperatures of 200°C.

10.5 Incompatible materials:

Hydrofluoric acid; this can dissolve fibreglass, as well as the glass component in the coating with the formation of H_2SiF_6 . Acetone and similar organic solvents can dissolve the binding agent.

Tiles may not be allowed to absorb large quantities of water. This will lead to massive staining on the surface.

10.6 Hazardous decomposition products:

During the initial heating over 250°C smouldering g ases are formed with a pungent odour.

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These are to be considered harmless according to the test methods of DIN 53 496.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Toxicological Tests:

11.1.1 Acute toxicity :

There is no quantitative data available about the toxicity of this product.

Specific symptoms in animal experiments:

After swallowing: not tested

skin contact: not tested

inhalation: see Section 11.1.6

11.1.3 skin corrosion/irritation; serious eye damage/irritation:

On the eye: Fine-grained particles and coarser fibres can scratch the surface of the eyes and cause a mechanical irritation.

On the skin: Repeated and longer contact with the skin can cause a slight temporary skin irritation, which makes itself evident as an itching and usually wears off on its own.

On the respiratory system: Dust irritates the respiratory system and the mucous membranes.

11.1.4 respiratory or skin sensitization:

It is not probable that a harmful effect occurs with this product if handled and used in the recommended manner.

11.1.5 STOT-single exposure; STOT-repeated exposure:

Subacute chronic toxicity: not tested

Subacute oral toxicity: not tested

Subacute inhalational toxicity: not tested

Assessment: No subacute to chronic toxicity is expected.

Note: The irritations mentioned in Section 11.1.3 are of a mechanical and not of a chemical nature. They can be triggered off by coarse fibres and by non-fibrous particles.

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11.1.6 Carcinogenicity, germ cell mutagenicity, reproductive toxicity:

Carcinogenicity:

Product contains no crystalline quartz. Fibreglass is not classified in any carcinogenic category (see Section 16). Protective measures are thus not absolutely necessary during production and processing.

Mutagenicity: not available

Reproductive toxicity: not available

11.1.7 Aspiration hazard.:

not available

11.2 Practical experience:

11.2.1 **Observation relevant for classification:** none

11.2.2 **Other observations:** none

11.3 General remarks:

The eye, skin and mucous membrane irritations are not only caused by fibrous dust. They can also appear as a reversible symptom with non-fibrous dusts.

SECTION 12.ECOLOGICAL INFORMATION

12.1 Toxicity:

No classification

12.2 Persistence and degradability:

Due to its insolubility in water (Section 9.2) the product has no mobility.

12.3 Bioaccumulative potential:

The proportion of silicate glass (>80 %) is not biologically decomposable.

12.4 Mobility in soli:

not applicable.

12.5 Results of PTB and vPvB assessment:

not applicable, see Section 3.2

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12.6 Other adverse effects:

The product consists to a large extent of recycled material (special recovered glass):

Fibreglass: > 80 %

Coating: > 70 %

SECTION 13.DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

13.1.1 Disposal / Waste (Product):

The disposal must be carried out in compliance with federal, Länder and local regulations.

Recommendation: Disposal on building rubble and household refuse landfills.

Small quantities can be disposed of in refuse incineration. Fibreglass can be recycled again by the fibre glass manufacturers

EAK/AVV-waste key:

10 11 03 (material new, also from renaturisation)

15 01 02 (PE-foil as packaging material)

13.1.2 Packaging:

Deliver PE-foil to plastics recycling.

13.2 Additional indications:

The product also does not constitute any hazard as scrap (see Section 12.1).

SECTION 14.TRANSPORT INFORMATION

14.1 UN number:

Not regulated

14.2 UN proper shipping name:

Not regulated

14.3 Transport hazard class(s):

Safety data sheet in compliance with EC regulation no. 1907/2006
COMMISSION REGULATION (EU) 2015/830
Regulation (EC) No 1272/2008/ GHS (Global Harmonized System)

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Land transport (ADR/RID/GGVSE): non hazardous goods

Inland water transport (ADNR): non hazardous goods

Marine transport (IMDG-Code/GGVSee): non hazardous goods

Air transport (ICAO-IATA/DGR) non hazardous goods

14.4 Packing group:

Not regulated

14.5 Environmental hazards:

Not regulated

14.6 Special precautions for user:

Not regulated

14.7 Transport in bulk according to annex II of MARPOL 73/78 ant the IBC Code:

Not regulated

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture:

Regulation (EC) No 1272/2008 (CLP) OF THE EUROPEAN PARLIAMENT AND OF THE CONUNCIL of 16 December 2008 on classification, labelling and packaging or substances or mixtures.

Regulation (EC) No 1907/2006 (REACH) OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL, of 18 December 2006, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals

Special collective clauses:none

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Detergents regulation: does not apply

VOC Guidelines 1999/13/EC: does not apply

Solvent-containing Paint and Varnish Guidelines 2004/42/EC: does not apply

15.2 Chemical safety assessment:

None

SECTION 16. OTHER INFORMATION

16.1 Text of the H statements, which are referred to in Sections 2 and 3:

H315– Causes skin irritation.

H319– Causes serious eye irritation.

H351– Suspected of causing cancer.

16.2 Safety Assessment:

Methods of evaluating information referred to in article 9 of Regulation (EC) No 1272/2008 was used for the purpose of classification:

Note Q :

The classification as a carcinogen need not apply if it can be shown that the substance fulfils one of the following conditions:

- a short term biopersistence test by inhalation has shown that the fibres longer than 20 µm have a weighted half-life less than 10 days; or
- a short term biopersistence test by intratracheal instillation has shown that the fibres longer than 20 µm have a weighted half-life less than 40 days; or
- an appropriate intra-peritoneal test has shown no evidence of excess carcinogenicity; or
- absence of relevant pathogenicity or neoplastic changes in a suitable long term inhalation test.

Note R :

The classification as a carcinogen need not apply to fibres with a length weighted geometric mean diameter less two standard geometric errors greater than 6 µm.

Regarding fibreglass it has been verified that according to Regulation (EC) No 1272/2008, two points from Appendix Q, R apply to the product:

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1. It has been proven in a short-term intratracheal bio-persistence test on the fibres contained in the product that the weighted half-life of fibres longer than 20 mm was less than 40 days.
2. It has been proven in a short-term inhalation bio-persistence test on the fibres contained in the product that the weighted half-life of fibres longer than 20 mm was less than 10 days.

Thus it is scientifically substantiated that fibreglass can be classified as free from the suspicion of cancer according to the guideline mentioned. The product is classified and

designated according to EC guidelines and the Ordinance on Hazardous Substances.

16.3 Labelling

Hazard symbol and hazard designation:

Not apply

Special labelling regulations for particular preparations:

Does not apply.

Instruction information:

Further information concerning applications in accordance with the requirements can be found in the technical data sheet.

Recommended restrictions in the application:

Processing the material is usually carried out by BASWA certified staff.

Further Information:

Further information can be obtained under: msds@baswa.com, (Section: 1.3).

Data Sources:

Safety data sheets of materials utilised and preparation according to the current status. Guidelines.
