



Safety data sheet in compliance with EC regulation no. 1907/2006

Registered Trade Name: **BASWA[®]: ix C**
product no.: a315

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1. DESIGNATION OF MATERIAL OR PREPARATION AND TRADE NAME

1.1 Designation of material / preparation:

Mineral tile adhesive for bonding BASWAphon acoustic panels

1.2 Application of material / preparation:

Industrial preparation of acoustically effective wall and ceiling coatings

1.3 Distributor (Manufacturer/ Supplier):

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 number:

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

Switzerland: 145

Worldwide: + 41 44 251 51 51

2. POSSIBLE HAZARDS:

2.1 Classification:

Contains cement. Strong alkaline reaction with moisture. When added to water, the product can be seriously harmful to the skin and eyes after prolonged contact due to its alkalinity. The product is weakly water hazardous.





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Xi irritant

2.2 Additional hazardous indications for humans and the environment:

The preparation is low in chromate, since the content of the sensitising chromium (VI) is reduced to less than 2 ppm by additives to the cement part of the mortar used. The prerequisite for the effectiveness of the chromium reduction is appropriate storage and observance of the shelf-life (see chapter 7.1).

3. COMPOSITION/ PARTICULARS CONCERNING THE COMPONENTS

3.1 Chemical Characterisation:

Preparation based on mineral binding agents, aggregates and additives.

Material designation: grey Portland cement
CAS-no.: 65997-15-1
EC-no.: 266-043-4
Concentration: 5 to 35 %
Classification: Xi, R38, R41

3.2 Further ingredients:

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

PBT material(s): none

vPvB material(s): none

3.3 Additional indications:
none

4. FIRST AID MEASURES

4.1 Following contact with eyes:

Immediately rinse eyes with running water keeping the eyelids open (for about 10 minutes). Do not rub the eyes dry, because additional corneal injury is possible due to mechanical wear. Always consult an ophthalmologist.

4.2 Following inhalation:

Bring patient into the fresh air. In case of discomfort consult a physician.



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4.3 After skin contact:

Remove saturated clothing. Flush skin immediately with copious quantities of water and soap. In case of discomfort consult a physician.

4.4 After swallowing:

Flush mouth out with water. In case of indisposition consult a doctor.
Granulate can lead to mechanical damage of the teeth if it remains in the mouth.
Never infuse anything into the mouth of an unconscious person.

4.5 Instructions for the doctor:

see details in chapters 4.1 to 4.5

5. FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing agents:

The product is combustible neither in the supplied state nor in the mixed and ready for processing state. Extinguishing agents and fire-fighting measures are to be matched accordingly with the surrounding fire.

5.2 Extinguishing agents unsuitable on account of safety reasons:

None

5.3 Particular hazards from the material or the product itself, its combustion products or the generated gases:

In case of a fire, small quantities of toxic combustion products may be released.

5.4 Particular protective equipment during fire-fighting:

No particular measures necessary. The protective equipment is to be matched accordingly with the surrounding fire.

5.5 Additional indications:

No particular measures are required concerning fire and explosion protection.

6. MEASURES IN CASE OF ACCIDENTAL RELEASE

6.1 Personal precautionary measures:

Observe information for safe handling in compliance with chapter 7.1. If necessary protect against leakage using canvas covers to prevent being blown away.



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6.2 Environment protection measures:

Do not allow to get into sewers or watercourses.

6.3 Cleaning process:

Clean up the powder mechanically. If applicable take account of the wind direction and keep the drop height low when restacking. Do not sweep the residues dry. Collect mixed mortar mechanically, allow to harden on a plastic sheet or in a container and dispose of in compliance with chapter 13.

6.4 Additional indications:

None

7. HANDLING AND STORAGE

7.1 Handling

7.1.1 Information for safe handling:

Information for safe handling: Avoid dust formation. When using goods shipped in sacks and open mixing containers, fill first with water and then carefully allow the dry mortar to run in. Keep the drop height low. Start the stirrer a slow speed. Do not press the empty bags together, or if so, inside another covering bag.

Avoid all contact with the eyes and skin by using personnel protective equipment in compliance with chapter 8.3. Ensure sufficient ventilation. If necessary utilise breathing protection in compliance with chapter 8.3.1.

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 Warehousing

7.2.1 Requirements for storage rooms and containers:

Only store in original containers. Keep containers tightly shut. Protect product against moisture.

7.2.2 Information concerning storing together:

No measures are necessary.

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7.2.3 Further details about storage conditions:

It is absolutely necessary to observe the manufacturer's information concerning warehousing conditions and the shelf-life. If the warehousing is not performed appropriately (ingress of dampness or moisture) the chromate reduction agent can lose its effectiveness and a sensitization from skin contact cannot be excluded.

7.2.4 Storage class:

13 (non-flammable solids)

7.2.5 Particular application:

none

8. LIMITATION AND MONITORING OF EXPOSURE/PERSONAL PROTECTIVE EQUIPMENT



8.1 Components with work-place related thresholds which are to be monitored:

Designation:	CAS-no.:	Value:	Unit
Portland cement	65997-15-1	5 (E)	mg/m ³
Calcium hydroxide	1305-62-0	5 (E)	mg/m ³
Quartz	14808-60-7	0.15 (A)	mg/m ³
Dust (in general)		1 (A)	mg/m ³
		10 (E)	mg/m ³

The exposure threshold values are taken from the valid TRGS 900 at the point in time of drawing-up.

8.2 Limitation and monitoring of exposure at the place of work:

No information concerning limitation at the place of work

8.3 Personal protective equipment

Avoid contact with the eyes and skin. Change contaminated clothing.

8.3.1 Respiratory protection:

If the exposure threshold values are exceeded (i.e. possible when mixing), wear particle-filtering face masks (FFP1 filter).



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8.3.2 Hand protection:

Using nitrile impregnated cotton gloves with CE labelling. Observe the maximum period of wear. Leather gloves are not suitable because of their water permeability.

8.3.3 Eye protection:

Utilise closely fitting protective glasses/goggles in the event of dust formation or danger of splattering.

8.3.4 Body protection: Wear closed, long-sleeved protective clothing and impervious safety shoes.

8.3.5 Limitation and monitoring of exposure to the environment:

Wash hands prior to breaks, after the end of work and prior to using sanitary installations. Do not eat, drink or smoke during work. In particular use skin care products after finishing work.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Form: powder
Colour: white, grey, beige
Odour: odourless

9.2 Safety-relevant Data

Description	Value	Method	Comments
pH (23 °C)	11.5 to 13	Laboratory BASWA	In mixed form, in normal usage
Melting point / - range (+°C)			not applicable
Boiling point (°C)			not applicable
Ignition point (°C)			not applicable
Explosion hazard	None		non inflammable
Lower explosion limit	None		non inflammable
Upper explosion limit	None		non inflammable
Ignition temperature (°C)	None		non inflammable
Fire-promoting properties	None		
Vapour pressure (°C)	not tested		not applicable
Density (g/cm ³)			not applicable
Bulk density (kg/m ³)	900 to 1500	Laboratory BASWA	not applicable



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Solubility in water (g/l at 20°C)			not applicable
Partition coefficient n-octanol / water (K_{ow})			not applicable
Dynamic viscosity (mPas/20 °C)			not determined
Flow time			not determined
Vapour pressure			not determined
Evaporation speed			not determined
Solvent separation test			not determined
Solvent content	None		not applicable
Conductivity			not determined
Melting point / melting range			not determined
Corrosion			not determined
Miscibility	possible in water		low
Gas group			not applicable
Spontaneous ignition temperature	None		non inflammable

9.3 Other Details:

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

10. STABILITY AND REACTIVITY

10.1 Conditions to be avoided:

none

10.2 Materials to be avoided:

none

10.3 Hazardous decomposition products:

None, if stored and utilised appropriately.

11. TOXICOLOGICAL DETAILS

11.1 Toxicological Tests

No toxicological tests in animal experiments exist. On the basis of the components in the preparation the following characteristics are to be expected.



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11.1.1 Acute toxicity	Species	Value	Method	Comments
Limit Test (24 h)	Rabbits	2,000 mg/kg	dermal	no lethality

(Data refer to the fraction of Portland cement of 10 to < 20 % contained in the product).

11.1.2 Specific symptoms in animal experiments

After swallowing: not tested
After skin contact: not tested
Following inhalation: not tested

11.1.3 Irritation - /etching effect:

On the eye:

Strong eye irritant, danger of serious eye damage. When added to water, the product can be seriously harmful to the skin and eyes after prolonged contact. At the same time mechanical wear to the skin can exacerbate such effects.

On the skin:

Skin and mucous membrane effect.

11.1.4 Sensitisation

After skin contact: According to TRGS 613 the product is low in chromate. As long as the shelf-life date of the product is not exceeded, no sensitizing effect is to be expected.

11.1.5 Subacute to chronic toxicity

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 product contains crystalline quartz as a siliceous component.

11.1.6 Carcinogenicity, mutagenicity and reproductive toxicity

Carcinogenicity:

There have been no significant investigations carried out concerning chronic toxicity or the carcinogenic potential of cement dust either with oral or other methods of application. The product also does not contain any mineral fibres with carcinogenic action.

Mutagenicity:

not known



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Reproductive toxicity:
not known

11.2 Practical experience

Nearly all experimental studies on animals and practical experience (epidemiological studies) describe irritant and inflammatory reactions, particularly in the upper respiratory tract, after exposure to cement dust. Also the commonly found obstructive changes in the respiratory system are to be considered in conjunction with the chemical-irritant effect (high alkalinity) of cement dust.

11.2.1 Observation relevant for classification: none

11.2.2 Other observations: none

11.3 General remarks:

12. ENVIRONMENTALLY RELATED DETAILS

12.1 Ecological toxicity:

Ecotoxic effects, in particular aquatic toxicity, are only possible after the release of larger quantities in connection with water by changing the pH value.

12.2 Mobility:

Not applicable, since it is an inorganic, mineral building material.

12.3 Persistence and degradability:

no details

12.4 Potential for bioaccumulation:

The preparation contains no material classified as R33 (danger of cumulative action).

12.5 Findings of the determination of the PBT characteristics:

Not applicable, see Section 3.2

12.6 Further information:

Water hazard class: WGK 1 (weakly water hazardous – self-assessed)

13. PARTICULARS FOR DISPOSAL

13.1 Disposal / Waste (Product):

Unused residual quantities of the product:



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Collect in the dry state. Label containers. If possible re-use avoiding any dust exposure (observe shelf-life date). In case of disposal with water, allow to harden and observe the following information.

Product after influx of water, hardened:

Dispose of in compliance with the local administrative regulations. Do not allow to get into the sewers. disposal of the hardened product as for concrete waste and concrete slurries.

EAK/AVV-waste key:

17 01 01 (concrete)
10 13 14 (concrete waste, concrete slurries)

13.2 Packaging:

Completely empty packaging and bring for recycling. For safe handling, see chapter 7.1

13.3 Additional indications:

none

14. TRANSPORT DETAILS

- | | |
|--|---------------------|
| 14.1 Land transport (ADR/RID/GGVSE): | non hazardous goods |
| 14.2 Inland water transport (ADNR): | non hazardous goods |
| 14.3 Marine transport (IMDG-Code/GGVSee): | non hazardous goods |
| 14.4 Air transport (ICAO-IATA/DGR): | non hazardous goods |

15. STATUTORY PROVISIONS

15.1 Safety Assessment:

According to §5 GefStoffV in connection with the EC guidelines 1999/45/EC and 67/548/EEC.

15.2 Labelling

Hazard symbol and hazard designation:





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15.2.1 Special labelling regulations for particular preparations:
does not apply

15.2.2 Information concerning labelling:
Contains Portland cement

15.3 EU-Regulations

15.3.1 Special collective clauses:
none

15.3.2 Detergents regulation:
does not apply

15.3.3 VOC Guidelines 1999/13/EG:
does not apply

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

16. OTHER DETAILS

Text of the R-Sets, which are referred to in chapters 2 and 3:

R38 – irritates the skin.
R41 – risk of serious eye damage.

Text of the S-Sets, which are referred to in chapters 2 and 3:

S2 – may not get into the hands of children.
S22 – do not inhale dust.
S24 – avoid contact with the skin.
S26 – after contact with the eyes immediately flush thoroughly with water and consult a physician.
S37/38 – when working, wear suitable protective gloves and protective glasses/goggles and/or face masks.
S46 – after swallowing immediately consult a physician and produce the packaging or label.

Instruction information:

Further information concerning applications in accordance with the requirements can be found in the technical data sheet and GefStoffV §14.



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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 most recent status.
- TRGS 200, TRGS 613, Ordinance on Hazardous Substances (GefStoffV)
- Guidelines 67/548/EEC; 91/155/EWG; 98/8/EG; 1999/45/EG; 2004/73/EG; 2006/8/EG; 1907/2006/EG

Data changed from the previous version:

First version after the coming into force of Guidelines 1907/2006/EG (REACH-directive).
