



Fire Testing

Report On
Surface Burning Characteristics Determined By
ASTM E84/ (UL 723) Twenty-Five Foot Tunnel
Furnace Test Method

PREPARED FOR:
BASWA Acoustic North America, LLC
21863 Aurora Rd.
Cleveland, OH

TEST NUMBER T-14755
MATERIAL TESTED:
BASWaphon Acoustical Finish System

DATE OF ISSUE 2/3/2015



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I. SCOPE

This report contains the reference to the test method, purpose, test procedure, rounding procedures, preparation and conditioning of specimens, description of materials, test and post test observation data, and test results.

II. TEST METHOD

The test was conducted in accordance with ASTM E 84, "Standard Test Method for Surface Burning Characteristics of Building Materials." The 25-foot tunnel method is also described by NFPA 255 and UL 723.

III. PURPOSE

The purpose of the test is to determine the relative performance of the test material under standardized fire exposure. Results are given for Flame Spread and Smoke Developed Index. The values obtained from burning the test material represent a comparison with that of 1/4" inorganic reinforced cement board expressed as zero and red oak flooring expressed as 100.

The flame spread results of 25-foot tunnel tests are frequently used by building code officials and regulatory agencies in the acceptance of interior finish material for various applications. The most widely accepted classification system is epitomized by the International Code Council (ICC) and National Fire Protection Association (NFPA) Life Safety Code, NFPA 101:

Class A*	0 - 25	flame spread	0-450 smoke developed
Class B*	26 - 75	flame spread	0-450 smoke developed
Class C*	76 - 200	flame spread	0-450 smoke developed

*Class A, B and C correspond to I, II and III, respectively, in other historical codes such as UBC and BOCA.

This flame spread classification system is based on the premise that the higher the flame spread numbers, the greater the fire spread potential. The actual relationship between the numbers developed under this test and life safety from fire has not been adequately established.

IV. TEST PROCEDURE NOTES

The furnace was preheated to a minimum of 150°F as measured by an 18 AWG thermocouple embedded in cement 1/8" below the floor surface of the chamber, 23-1/4' from the centerline of the ignition burners. The furnace was then cooled to 105°F ($\pm$ 5°F) as measured by a thermocouple embedded 1/8" below the floor surface of the test chamber 13' from the fire end.

Prior 10-minute tests with 1/4" inorganic reinforced cement board provided the zero reference for flame spread. Periodic 10-minute tests with unfinished select grade red oak flooring provided for the 100 reference for flame spread and smoke developed as noted in Section III.

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A. Flame Spread

The flame spread distance is observed and recorded at least every 15 seconds or every 2 feet of progression. The peak distance is noted at the time of occurrence. The flame spread distance is plotted over time. The total area under the flame spread distance-time curve is determined; flame front recessions are ignored. The flame spread is then calculated as a function of the area under the curve relative to the standard red oak curve area. The value for flame spread classification for the tested material may be compared with that of inorganic reinforced cement board and select grade red oak flooring.

B. Smoke Developed

The smoke developed during the test is determined by the reduction in output of a photoelectric cell. A light beam vertically orientated across the furnace outlet duct is attenuated by the smoke passing through the duct. The output of the photoelectric cell is related to the obscuration of the light source through the duct caused by the smoke. A curve is developed by plotting photoelectric cell output against time. The value of smoke developed is derived by calculating the net area under the curve for the test material and comparing this area with the net area under the curve for unfinished select grade 23/32" red oak flooring.

V. FLAME SPREAD AND SMOKE DEVELOPED ROUNDING PROCEDURES

Single test calculated flame spread and smoke developed values are rounded to the nearest multiple of 5 and reported as the Flame Spread or Smoke Developed Index. Actual test values are available on request.

For multiple tests, the individual calculated flame spread and smoke developed values are recorded, averaged, and the results rounded to the nearest multiple of 5. The averaged, rounded number is reported as the Flame Spread or Smoke Developed Index.

VI. PREPARATION AND CONDITIONING OF TEST SAMPLES

Three or four sections are generally used in the preparation of a complete test specimen which is 20-1/2" wide and 24' long. Materials 8' in length may be tested by using three sections 20-1/2" wide by 8' long for a total specimen length of 24'. A 14" length of uncoated 16 gauge steel sheet is used to make up the remainder of the test specimen; it is placed at the fire end of the test chamber. Prior to testing, three 8' long sections of 1/4" inorganic reinforced cement board are placed on the back side of the specimens to protect the furnace lid assembly. Test specimens are conditioned at a controlled temperature of 73.4°F ($\pm 5^\circ\text{F}$) and a controlled relative humidity of 50 ± 5 percent.



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VII: MATERIAL TESTED

- 1) Manufacturer: BASWA Acoustic North America, LLC
Cleveland OH
- 2) Burn Number: 1
- 3) Average Thickness(in.): 2.152
- 4) Average Weight (lbs./sq.ft.): 4.187
- 5) Average Groove Depth (in.):
- 6) Product Description: BASWaphon Acoustical Finish System
2 Coats of marble aggregate in a copolymer totaling 5mm thickness was applied to the precoated mineral wool base supporting panel with a factory applied 3mm thick coating of glass micro-spheres and then applied to 5/8" Type "x" Gypsum Board.
- 7) Color: White
- 8) Surface: Face Side
- 9) Sample Selection: Manufacturer
- 10) Date of Selection: 1/13/2015
- 11) Material Description By: Manufacturer
- 12) Method of Mounting: Self-Supporting
- 13) Days in Conditioning: 20

VIII: TEST CONDITIONS AND DATA

- 1) Specimen Preheat Time (min.) 2:00
- 2) Tunnel Brick Temp (deg. F): 105
- 3) Ignition Time (seconds): 63
- 4) Time to End of Tunnel
or Flamefront Distance: 6'@3:00
- 5) Time-Distance Curve Area
(min./ft.): 48.5
- 6) Fuel and Temperature
 - a) Fuel (cu.ft./min.): 5.152
 - b) Max. Vent End Temp. (deg.F): 663
 - c) Time to Max. Temp (min.): 5:11
- 7) After Flaming: No



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IX: TEST RESULTS

Test results calculated on the basis of the area under the curves of flame spread distance and smoke developed versus time are provided in the table below for calibration materials and for:

BASWaphon Acoustical Finish System

Material Description	Flame Spread Index	Smoke Developed Index
High Density Inorganic Reinforced Cement Board	0	0
Red Oak Flooring	100	100
T-14755	25	15

Observations:

Charring to 10', discoloration to 24'.

Remarks:

Sample consisted of three 8' long boards laid end to end.

Conclusions:

Meets Class A, Flame Spread Index 25 or less and Smoke Developed Index 450 or less.

REPORT PREPARED BY:

Chris Palumbo

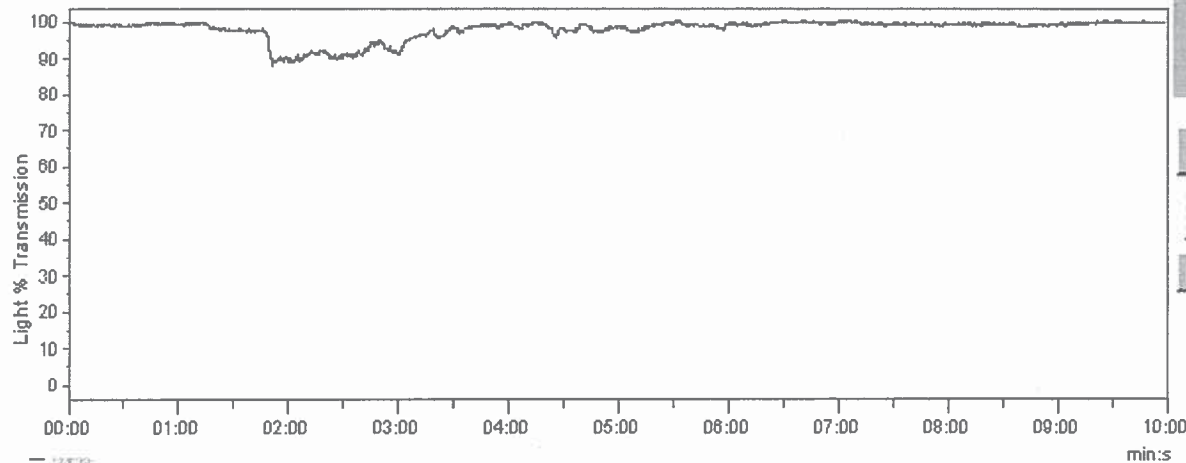
Manager of Fire Testing

REPORT REVIEWED BY:

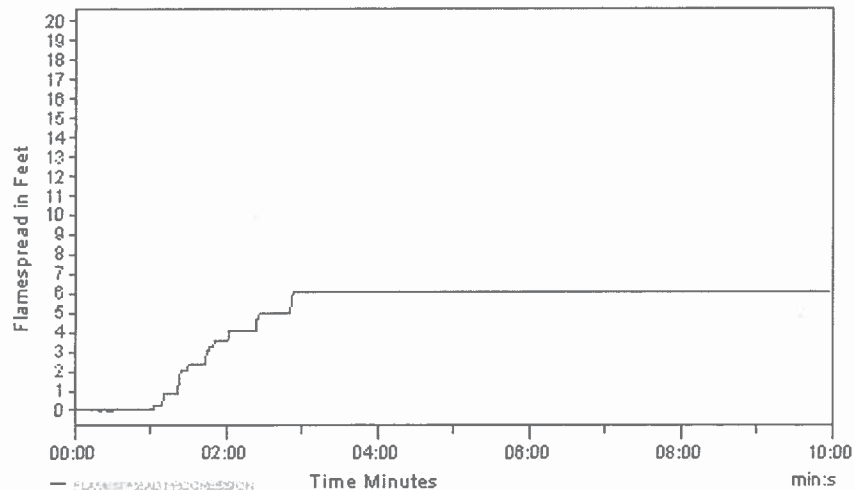
Brian Sause

Director of Testing, Standards, and Certification

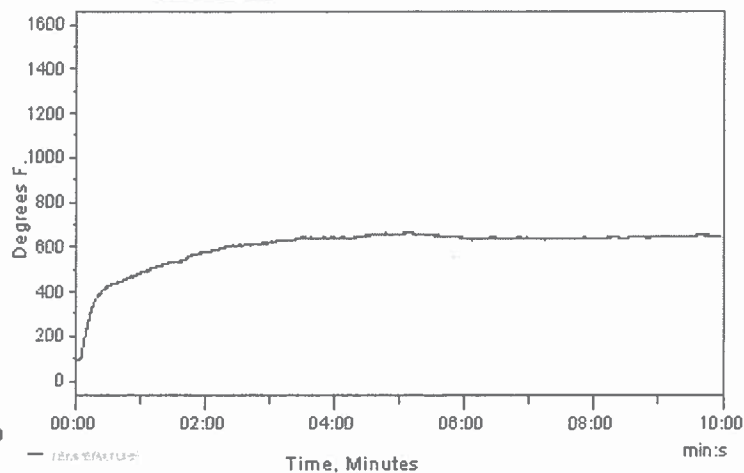
Conformance to the test standard is verified by a registered professional engineer. This is a factual report of the results obtained from laboratory tests of sample products. The results may be applied only to the products tested and should not be construed as applicable to other similar products of the manufacturer. The HPVA does not verify the description of materials and products when the description is provided by the client. The report is not a recommendation or a disapprobation by the Hardwood Plywood and Veneer Association of the material or product tested. While this report may be used for obtaining product acceptance, it may not be used in advertising.



Smoke Data



Flamespread Data



Fuel Data

Test Time	FS Counts
600	48.5
seconds	
	Fuel Counts
	817
	Smk Cts
	37
Flame Progression, Feet	31.38
Smoke MV	9.00
24 Ft. Temp, Deg. F	646
13 Ft. Temp, Deg. F	203
24 Foot Floor TC, Deg. F	123

Max Temp = 663
 @ Time - 311

test ON/OFF
 ♦ Test ON
 ● Cool



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LABORATORY ACCREDITATION

HPVA Laboratories is an internationally accredited testing laboratory according to ISO/IEC 17025 and recognized by state and local building code jurisdictions.

International Accreditation Service (IAS) Accredited Testing Laboratory Number: TL-224

HPVA Laboratories has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), and has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories, for the test methods listed in the approved scope of accreditation.

HPVA FLAME SPREAD PROPERTY VERIFICATION PROGRAM

The Hardwood Plywood & Veneer Association provides a product property verification program for flame spread properties. This program is based on the selection and testing of panels within a given marketing line on the basis of that combination of factors that theoretically should give the highest flame spread values. Such factors as panel thickness, specific gravity, color of stain, type of lamination, surface texture, and product mix are taken into consideration in the selection of flame spread samples.

While it is standard procedure to include smoke developed values in test reports, the HPVA label identifies only the flame spread class. The authorized use of an HPVA Laboratories label is evidence that the manufacture has implement a quality program and participates in ongoing testing and inspection of certified product lines.

The sample HPVA label displayed below would indicate conformance of the tested samples to the Type II glue bond requirements as set forth in ANSI/HPVA HP-1-2015 American National Standard For Hardwood And Decorative Plywood, and conformance to Flame Spread Class C (200 or less) as determined by the test procedures described in ASTM E 84. Depending on the type of product, the label may also include other information such as structural and formaldehyde emission ratings.

HPVA LABORATORIES		
BOND LINE TYPE II ANSI/HPVA HP-1-2015	 MILL 00 SPECIALTY GRADE	FLAME SPREAD 200 OR LESS CLASS C ASTM E 84
		SIMULATED DECORATIVE FINISH ON PLYWOOD



Safety Data Sheet in compliance with EC regulation no. 1907/2006 - Regulation (UE) 453/2010/CE
Regulation (EC) No 1272/2008/ GHS (Global Harmonized System)

Registered Trade Name: **BASWAphon Fill**

Product.-no.: a039

version: 3
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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:

1.1 Product identifier:

Filler for butt and straight joints between industrially laid BASWAphon acoustic tiles on ceilings and walls.

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

Preparation of acoustically effective wall and ceiling coatings.

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 directive 67/548/CEE and 1999/45/CE:

The product is not classified as a hazardous material.

Classification according to Regulation (EC) No 1272/2008:

The product is not classified as a hazardous material according to Regulation (EC) N° 1272/2008 (CLP)/ GHS (Global Harmonized System)

After skin contact: A possible sensitising property of the preparation is indicated.

After eye contact: In case of enduring skin irritation consult a medical specialist.

2.2 Label elements:

According to Regulation (EC) n°1272/2008 (CLP)/ GHS (Global Harmonized System).

Hazard Pictograms: Not applicable



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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.

2.3 Other hazards:

None known.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances:

3.2 Mixtures:

Chemical Characterisation:

Preparation on the basis of polymeric binding agents with filler (expanded glass) and diverse organic and inorganic additives.

3.3 Further ingredients:

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

PBT material(s): not applicable

vPvB material(s): not applicable

3.4 Additional indications:

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

SECTION 4. FIRST AID MEASURES:

4.1 Description of first aid measures

Following contact with eyes:

Rinse opened eye for several minutes under running water. Then consult a doctor.



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Following inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately remove any clothing soiled by the product. Wash with water and soap and rinse thoroughly.

After swallowing:

Seek medical treatment.
Rinse out mouth and then drink plenty of water.
Do not induce vomiting.

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:

No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES:

5.1 Extinguishing media:

Suitable extinguishing agents:

Use fire extinguishing method suitable to surrounding conditions.
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for fire-fighting:

Wear self-contained respiratory protective device.

5.4 Additional indications:

Dispose of fire debris and contaminated firefighting water in accordance with official regulations.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures:

Not required.



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6.2 Environment precaution:

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections:

SECTION 8
SECTION 13
SECTION 7

6.5 Additional indications:

None.

SECTION 7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

7.1.1 Information for safe handling:

No special measures required.

7.1.2 Information about fire and explosion protection:

No special measures required.

7.1.3 Further details:

None.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Requirements for storage rooms and containers:

No special requirements.

7.2.2 Information concerning storing together:

Not required.

7.2.3 Further details about storage conditions:

Protect from frost! Storage temperature + 5°C to + 49°C

7.2.4 Particular application:

No further relevant information available.

7.3 Specific end use(s):

None Known.

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Limit value type (country of origin)	Substance name CASno	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 aerosol 4mg/m ³ Breathable aerosol	20mg/m ³ inhalable aerosol	GESTIS
MAK	Calcium carbonate CAS no 471-34-1	3mg/m ³ inhalable dust		
AGW (Germany):	Silica fused CAS no 60676-86-0	0,3 A mg/m ³ , DFG		
AGW (Germany):	Silica fused CAS no 60676-86-0	200 mg/m ³ , 300 ppm		
MAK (Switzerland):	Silica fused CAS no 60676-86-0	0,3 a mg/m ³		

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8.2 Exposure control:

8.2.1 Personal protective equipment:



For prolonged skin contact.



Respiratory protection:

Not required, but recommended.

Hand protection:

Protective gloves for prolonged skin contact. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

Fatty skin ointment is recommended for care of the skin.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses.

Body protection: Protective work clothing. We recommend the use of disposable overalls or dust-repellent clothing.

Limitation and monitoring of exposure to the environment:

Immediately remove all soiled and contaminated clothing.

Wash hands prior to breaks, after the end of work and prior to using sanitary installations. Keep away from foodstuffs, beverages and feed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

9.1 Information on basic physical and chemical properties:

9.11 Appearance:

Form: paste-like (whipped cream after mixing)
Colour: white
Odour: Typical odour of aqueous acrylate dispersions.
No odour of styrene.



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9.1.2 Safety-relevant Data;

Description	Value	Method	Comments
pH (20 °C)	8.5	laboratory BASWA	
Melting point / - range (+°C)			not determined
Boiling point (°C)			not determined
Ignition point (°C)	none		non inflammable
Explosion hazard	none		non inflammable
Lower explosion limit	none		non inflammable
Upper explosion limit	none		non inflammable
Ignition temperature (°C)	370 °C		DIN 51794
Fire-promoting properties	none		
Vapour pressure (°C)	23 hPa		
Density (g/cm ³)	1100		
Bulk density (kg/m ³)			not applicable
Solubility in water (g/l at 20°C)			not applicable
Partition coefficient n-octanol /			not determined
Dynamic viscosity (mPas/20 °C)			not applicable
Flow time			not applicable
Vapour pressure			not determined
Evaporation speed			not determined
Solvent separation test			not determined
Solvent content	31.8 %		water
Conductivity			not determined
Melting point / melting range			not determined
Corrosion			not determined
Miscibility	possible		in water
Gas group			not applicable
Spontaneous ignition	none		non inflammable

9.2 Other information:

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

SECTION 10. STABILITY AND REACTIVITY:

10.1 Reactivity:

No decomposition when stored normally. See also combustion products according to Section 5.

10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

None.



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10.4 Conditions to avoid:

Protect from frost and heat. See Section 7.

10.5 Incompatible materials:

No dangerous reactions known, if stored and used appropriately.

10.6 Hazardous decomposition products:

During heating or in case of fire, formation of toxic gases is possible.

SECTION 11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects:

Toxicological Tests:

11.1.1 Acute toxicity	Species	Value	Method	Comments
Not determined.				

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: Light irritant.

On the skin: In case of prolonged contact with skin irritation is possible.

11.1.4 Sensitisation

No sensitizing effects known.

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:

Even weakly irritating chemicals can damage the skin after prolonged contact. After contact with the product follow the first aid precautions (Section 4).

11.1.6 Carcinogenicity, mutagenicity and reproductive toxicity

Carcinogenicity:

Product contains no crystalline quartz. The product also does not contain any mineral fibres with carcinogenic action.



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Mutagenicity:

Not known.

Reproductive toxicity:

Not known.

11.2 Practical experience:

11.2.1 Observation relevant for classification: none

11.2.2 Other observations: none

11.3 General remarks:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in latest version. When used and handled according to specifications, the product does not have any harmful effect to our experience and the information provided to us.

SECTION 12. ECOLOGICAL INFORMATION:

12.1 Ecological toxicity:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.2 Persistence and degradability:

Not easily biodegradable.

12.3 Bioaccumulative potential:

No further information available.

12.4 Mobility in soil:

The product is dispersible in water and will probably be transported over considerable distances if it gets into watercourses.

12.5 Results of PTB and vPvB assessment:

Not applicable, see Section 3.2.

12.6 Other adverse effects:

No further relevant information available.

SECTION 13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods:

Disposal / Waste (Product):

Smaller quantities can be disposed of with household waste. Must be specially treated adhering to official regulations.



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EAK/AVV-waste key:

08 01 20 (paste-like binder)
08 01 12 (hardened product)

Packaging:

Containers which have not been cleaned are to be disposed of in the same way as the preparation. Cleaned containers are to be brought to plastics recycling (PP).

13.2 Additional indications:

Recommendation: Disposal must be made according to official regulations.

SECTION 14. TRANSPORT INFORMATION:

14.1 UN number:

Not regulated.

14.2 UN proper shipping name:

Not regulated.

14.3 Transport hazard class(s)

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 and the IBC Code:

Not regulated.



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SECTION 15. REGULATORY INFORMATION:

15.1 Safety Assessment:

The product is classified and designated according to EC guidelines and the Ordinance on Hazardous Substances.

The product is classified and designated according to GHS (Global harmonized System)
The designation: "Attention, this preparation contains a material which has not yet been completely tested" (see Section 3.1) is inapplicable, since in this case the material is a polymer (guideline 67/548/EEC, Article 13, Section 2).

15.2 Labelling:

Hazard symbol and hazard designation: Not required (guidelines: 2006/8/EC).

15.2.1 Special labelling regulations for particular preparations:

Does not apply.

15.2.2 Information concerning labelling:

None.

15.3 EC-Regulations:

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.

Directive 67/548/CEE of 27 June 1967 on the approximation of laws, regulation and administrative provisions relating to the REGULATORY INFORMATION classification, packaging and labelling of dangerous substances.

Directive 1999/45/CE OF THE EUROPEAN PARLIAMENT AND OF THE CONUNCIL of 31 may 1999 concerning the approximation of the laws, regulation and administrative provisions of the member States relating to the classification, packaging and labelling of dangerous preparations.

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 (UE) no 453/2010 of 20 May 2010

15.3.1 Special collective clauses:

No material safety assessment has been carried out for the preparation, since the materials contains therein lie under the threshold limit of 10 tons per year and importer (registrant) (Guideline 199/45/EC).

15.3.2 Detergents regulation:

Does not apply.



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15.3.3 VOC Guidelines 1999/13/EC:

Does not apply.

15.3.4 Solvent-containing Paint and Varnish Guidelines 2004/42/EC:

Does not apply.

SECTION 16. OTHER INFORMATION:

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

R22 – harmful to the health after swallowing.
R23 – Toxic by inhalation.
R34 – causes chemical burns.
R36 – irritates the eyes
R38 – irritates the skin.
R41 – risk of serious eye damage.
R43 – sensitisation by skin contact possible.
R50 – extremely toxic for water organisms

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

H301– Toxic if swallowed.
H302– Harmful if swallowed.
H314– Causes severe skin burns and eye damage.
H315– Causes skin irritation.
H317– May cause an allergic skin reaction.
H318– Causes serious eye damage.
H330– Fatal if inhaled.
H400– Very toxic to aquatic life.
H411– Toxic to aquatic life with long lasting effects

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 67/548/EEC; 91/155/EWG; 98/8/EC; 1999/45/EC; 2004/73/EC;
2006/8/EC; 1907/2006/EC

Data changed from the previous version:

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



Safety Data Sheet in compliance with EC regulation no. 1907/2006 - Regulation (UE) 453/2010/CE
Regulation (EC) No 1272/2008/ GHS (Global Harmonized System)

Registered Trade Name: **BASWaphon Fill**

Product.-no.: a039

version: 3
revised on: 20.04.2015
printed on: 20.04.2015
page 13 of 13

DISCLAIMER:

The information in this Safety Data Sheet is based on sources, technical knowledge and current legislation. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in any process, unless specified in the text. The data shown correspond to our current knowledge and are not a guarantee of properties. Recipients of our product must observe, under its responsibility, the rules and regulations.

SAFETY DATA SHEET

BASWAphon Base

Section 1: Identification Of the Substance/Mixture And Of The Supplier

Supplier BASWA acoustic North America, LLC 21863 Aurora Road Cleveland, OH 44146 Company Contact: Paul Gallo Telephone Number: 440-951-6022 FAX Number: 216-475-7197 E-Mail: paul@baswausa.com	Manufacturer BASWA acoustic AG Marmorweg 10 CH-6283 Baldegg Switzerland Telephone Number: +41 41 914 02 22 FAX Number: +41 41 914 02 20 E-Mail: msds@baswa.com
Supplier Emergency Contacts & Phone Number Edwin G. Sellers, Jr.: 305-814-3213	Manufacturer Emergency Contacts & Phone Number Swiss Toxicological Information Ctr.: +41 44 251 5151

Issue Date: 10/13/2014

Product Name: BASWAphon Base

CAS Number: Not Established

Chemical Family: water-based synthetic resin plaster (solvent-free)

Product Code: a007

Section 2: Hazards Identification



Hazard Classification(s)

HAZARD CLASSIFICATION(S):

Skin Sensitization: Category 1

Eye Damage/Irritation: Category 2

Skin Corrosion/Irritation: Category 3

Carcinogenicity - Category 2

Specific Target Organ Toxicity, Single Exposure: Category 3

Acute Toxicity - Category 5

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

May cause an allergic skin reaction (H317)

Causes mild skin irritation (H316)

Causes eye irritation (H320)

Suspect of causing cancer. (H351)

May be harmful if swallowed (H303)

May cause respiratory irritation (H335)

PRECAUTIONARY STATEMENTS:

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid breathing mist, vapor or spray.

P264 - Wash thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 - Wear protective gloves.

P302+P352 - IF ON SKIN: wash with plenty of soap and water.

SAFETY DATA SHEET

BASWAphon Base

Section 2: Hazards Identification - Continued

Hazard Classification(s) - Continued

P304+P340 - IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P332+P313 - If skin irritation occurs: Get medical attention/advice.
P333+P313 - If skin irritation or rash occurs: Get medical attention/advice.
P362+P364 - Take off contaminated clothing and wash it before use.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, state, federal and international regulation.

Section 3: Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
aqueous-based acrylate binding agent	N/A		2
aluminum hydroxide	21645-51-2		2
calcium carbonate	471-34-1		60 - 70
titanium dioxide	13463-67-7		1

Section 4: First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Do not allow victim to rub eye(s). Let eye(s) water naturally. Get medical attention immediately if irritation develops and persists.

Skin

Wash affected areas with copious amounts of soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops.

Ingestion

Flush mouth out with water. Get medical attention immediately. Granulation can lead to mechanical damage of the teeth if it remains in the mouth. Never give anything by mouth to an unconscious victim.

Inhalation

Remove person from source of exposure to fresh air. Get medical advice. If breathing is difficult, give oxygen.

Note To Physician

Remove any remaining solid materials from the eyes and mouth.

Section 5: Fire Fighting Measures

Flammability Class: Non-flammable/non-combustible

Fire And Explosion Hazards

Thermal decomposition ("burning") may evolve toxic combustion byproducts - NOx, CO, SO2 and acrylic monomers.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire: water spray, dry chemical, carbon dioxide or firefighting foam.

SAFETY DATA SHEET

BASWAphon Base

Section 5: Fire Fighting Measures - Continued

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear. Do not allow runoff to enter sewers or waterways.

Section 6: Accidental Release Measures

Avoid generating dust. Avoid runoff to waterways and sewers. Pick up released product with appropriate implements and return to original container if reusable.

Section 7: Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Store in original container. Keep from freezing. Proper storage temperature range is 41 F (5C) to 120 F (49C).

Use only with adequate ventilation. Avoid generating dust from processing of the dried product.

Work/Hygienic Practices

Wash thoroughly after handling.

Section 8: Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Local exhaust ventilation should be provided, if possible, to maintain exposures below recommended occupational exposure limits.

Eye/Face Protection

Safety glasses are recommended as minimum industrial eye protection when handling bulk product or performing spill cleanup.

Skin Protection

Protective gloves are recommended to minimize skin contact. Application of skin moisturizer is recommended to prevent drying and cracking of skin.

Respiratory Protection

Engineering controls should be implemented preferentially to reduce exposures. In case of inadequate ventilation, use a NIOSH-approved respirator for dust (e.g., N95). Firefighters and emergency responders should wear positive pressure demand self-contained breathing apparatus.

Ingredient(s) - Exposure Limits

calcium carbonate

OSHA PEL-TWA: 5 mg/m3, respirable fraction

OSHA PEL-TWA: 15 mg/m3, total dust

titanium dioxide

ACGIH TLV-TWA: 10 mg/m3

OSHA PEL-TWA: 15 mg/m3

Section 9: Physical And Chemical Properties

Appearance

white paste-like solid

Odor

odorless or aqueous acrylate odor

Chemical Type: Mixture

Physical State: Solid

Melting Point: 32 °F 0 °C

SAFETY DATA SHEET

BASWAphon Base

Section 9: Physical And Chemical Properties - Continued

Boiling Point: 212 °F 100 °C
Specific Gravity: 1.7 to 1.8
Vapor Pressure: not tested
pH Factor: 7.0-8.0
Solubility: practically insoluble in water
Viscosity: 7000 to 8000 mPas/20C

Section 10: Stability And Reactivity

Stability: stable
Hazardous Polymerization: will not occur

Conditions To Avoid (Stability)

Protect from freezing and excessive heat.

Incompatible Materials

May be incompatible with acids, ammonium salts, magnesium and fluorine.

Hazardous Decomposition Products

Thermal oxidation (i.e., "burning") may produce decomposition products of carbon, nitrogen, sulfur and acrylic monomers.

Section 11: Toxicological Information

Eye Effects

Contact with eyes may cause irritation.

Skin Effects

May cause skin sensitization and allergic reaction. Repeated or prolonged contact with the skin may cause irritation and redness.

Acute Oral Effects

Ingestion of large enough amounts to cause significant health hazards is considered unlikely. Intentional ingestion of large amounts may cause gastrointestinal upset, nausea and vomiting.

Acute Inhalation Effects

High dust concentrations may cause coughing, sneezing and mild, temporary irritation of the nose and throat.

Chronic/Carcinogenicity

The International Agency for Research on Cancer (IARC) classifies powdered, pigment-grade titanium dioxide as a Group 2B substance - possibly carcinogenic in humans. Based on the physical form of this product and low concentration of titanium dioxide, IARC's classification is not expected to be relevant to this product.

Contains aluminum hydroxide. A link between exposure to aluminum or aluminum compounds and Alzheimer's disease or other neurological diseases has been suggested. However, at present, this association is controversial and findings are inconsistent. Ingestion of large amounts of aluminum salts over prolonged periods may cause phosphate deficiency, leading to softening and bending of bones.

Ingredient(s) - Carcinogenicity

titanium dioxide
Listed In The IARC Monographs

Ingredient(s) - Toxicological Data

aluminum hydroxide
LD50 (oral, rat): >5000 mg/kg
LD50 (ip, rat): 1100 mg/kg
calcium carbonate

SAFETY DATA SHEET

BASWAphon Base

Section 11: Toxicological Information - Continued

Ingredient(s) - Toxicological Data - Continued

LD50 (oral, rat): 6450 mg/kg
LD50 (oral, mouse): 6450 mg/kg
titanium dioxide
LC50 (rat): >6820 mg/m³ (4-hr)
LD50 (oral, rat): >25000 mg/kg
LD50 (oral, male mouse): >10000 mg/kg
LD50 (dermal, rabbit): >10000 mg/kg

Section 12: Ecological Information

Ecotoxicological Information

There is insufficient information with which to estimate aquatic toxicity.

Environmental Fate Information

The product contains no material classified with the potential for bioaccumulation.

Section 13: Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Small amounts of waste may be disposed in an approved sanitary landfill.

Section 14: Transport Information

Proper Shipping Name

not regulated for transportation

Section 15: Regulatory Information

SARA Hazard Classes

Acute Health Hazard
Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - State Regulations

calcium carbonate
Pennsylvania - Workplace Hazard
titanium dioxide
New Jersey - Workplace Hazard
Pennsylvania - Workplace Hazard
New York City - Hazardous Substance

Section 16: Other Information

NFPA Rating

Health: 2
Fire: 0
Reactivity: 1

HMIS Rating

Health: 2
Fire: 0
Reactivity: 1

S A F E T Y D A T A S H E E T

BASWAphon Base

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

BASWA Acoustic North America, LLC

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SAFETY DATA SHEET

BASWAphon Fine

Section 1: Identification Of the Substance/Mixture And Of The Supplier

Supplier BASWA acoustic North America, LLC 21863 Aurora Road Cleveland, OH 44146 Company Contact: Paul Gallo Telephone Number: 440-951-6022 FAX Number: 216-475-7197 E-Mail: paul@baswausa.com	Manufacturer BASWA acoustic AG Marmorweg 10 CH-6283 Baldegg Switzerland Telephone Number: +41 41 914 02 22 FAX Number: +41 41 914 02 20 E-Mail: msds@baswa.com
Supplier Emergency Contacts & Phone Number Edwin G. Sellers, Jr.: 305-814-3213	Manufacturer Emergency Contacts & Phone Number Swiss Toxicological Information Ctr.: +41 44 251 5151
Issue Date: 12/03/2014 Product Name: BASWAphon Fine CAS Number: Not Established	

Section 2: Hazards Identification



Hazard Classification(s)

HAZARD CLASSIFICATION(S):

Carcinogenicity - Category 2

Specific Target Organ Toxicity, Single Exposure: Category 3

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

Suspect of causing cancer. (H351)

May cause respiratory irritation (H335)

PRECAUTIONARY STATEMENTS:

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P261 - Avoid dust.

P271 - Use only in a well-ventilated area.

P304+P340 - IF INHALED: remove person to fresh air and keep comfortable for breathing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a Poison Center or Doctor if you feel unwell.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, state, federal and international regulation.

Section 3: Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
calcium carbonate	471-34-1	80 - 90

SAFETY DATA SHEET

BASWaphon Fine

Section 3: Composition/Information On Ingredients - Continued

Ingredient Name	CAS Number	Percent Of Total Weight
titanium dioxide	13463-67-7	0.5 - 1

Section 4: First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Do not allow victim to rub eye(s). Let eye(s) water naturally. Get medical attention immediately if irritation develops and persists.

Skin

Wash affected areas with copious amounts of soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops.

Ingestion

Flush mouth out with water. Get medical attention immediately. Granulation can lead to mechanical damage of the teeth if it remains in the mouth. Never give anything by mouth to an unconscious victim.

Inhalation

Remove person from source of exposure to fresh air. Get medical advice. If breathing is difficult, give oxygen.

Note To Physician

Remove any remaining solid materials from the eyes and mouth.

Section 5: Fire Fighting Measures

Flammability Class: Non-flammable/non-combustible

Fire And Explosion Hazards

Thermal decomposition ("burning") may evolve oxides of carbon and nitrogen.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire: water spray, dry chemical, carbon dioxide or firefighting foam.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

Section 6: Accidental Release Measures

Avoid generating dust. Pick up released product with appropriate implements and return to original container if reusable.

Section 7: Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Store in original container. Keep from freezing. Proper storage temperature range is 41 F (5C) to 120 F (49C).

Use only with adequate ventilation. Avoid generating dust from processing of the dried product.

Work/Hygienic Practices

Wash thoroughly after handling.

Section 8: Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Local exhaust ventilation should be provided, if possible, to maintain exposures below recommended occupational exposure limits.

SAFETY DATA SHEET

BASWaphon Fine

Section 8: Exposure Controls/Personal Protection - Continued

Eye/Face Protection

Safety glasses are recommended as minimum industrial eye protection when handling bulk product or performing spill cleanup.

Skin Protection

Protective gloves are recommended to minimize skin contact. Application of skin moisturizer is recommended to prevent drying and cracking of skin.

Respiratory Protection

Engineering controls should be implemented preferentially to reduce exposures. In case of inadequate ventilation, use a NIOSH-approved respirator for dust (e.g., N95). Firefighters and emergency responders should wear positive pressure demand self-contained breathing apparatus.

Ingredient(s) - Exposure Limits

calcium carbonate

OSHA PEL-TWA: 5 mg/m³, respirable fraction

OSHA PEL-TWA: 15 mg/m³, total dust

titanium dioxide

ACGIH TLV-TWA: 10 mg/m³

OSHA PEL-TWA: 15 mg/m³

Section 9: Physical And Chemical Properties

Appearance

white solid

Odor

odorless

Chemical Type: Mixture

Physical State: Solid

Solubility: practically insoluble in water

Section 10: Stability And Reactivity

Stability: stable

Hazardous Polymerization: will not occur

Conditions To Avoid (Stability)

Protect from freezing and excessive heat.

Incompatible Materials

May be incompatible with acids, ammonium salts, magnesium and fluorine.

Hazardous Decomposition Products

Thermal oxidation (i.e., "burning") may produce decomposition products of carbon and nitrogen.

Section 11: Toxicological Information

Eye Effects

Contact with eyes may cause irritation.

Skin Effects

Repeated or prolonged contact with the skin may cause mild irritation and redness.

Acute Oral Effects

Ingestion of large enough amounts to cause significant health hazards is considered unlikely. Intentional ingestion of large amounts may cause gastrointestinal upset, nausea and vomiting.

SAFETY DATA SHEET

BASWaphon Fine

Section 11: Toxicological Information - Continued

Acute Inhalation Effects

High dust concentrations may cause coughing, sneezing and mild, temporary irritation of the nose and throat.

Chronic/Carcinogenicity

The International Agency for Research on Cancer (IARC) classifies powdered, pigment-grade titanium dioxide as a Group 2B substance - possibly carcinogenic in humans. Based on the physical form of this product and low concentration of titanium dioxide, IARC's classification is not expected to be relevant to this product.

Ingredient(s) - Carcinogenicity

titanium dioxide

Listed In The IARC Monographs

Ingredient(s) - Toxicological Data

calcium carbonate

LD50 (oral, rat): 6450 mg/kg

LD50 (oral, mouse): 6450 mg/kg

titanium dioxide

LC50 (rat): >6820 mg/m³ (4-hr)

LD50 (oral, rat): >25000 mg/kg

LD50 (oral, male mouse): >10000 mg/kg

LD50 (dermal, rabbit): >10000 mg/kg

Section 12: Ecological Information

Ecotoxicological Information

There is insufficient information with which to estimate aquatic toxicity. Although the product is not expected to pose a significant environmental hazard.

Environmental Fate Information

The product contains no material classified with the potential for bioaccumulation.

Section 13: Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Small amounts of waste may be disposed in an approved sanitary landfill.

Section 14: Transport Information

Proper Shipping Name

not regulated for transportation

Section 15: Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - State Regulations

calcium carbonate

Pennsylvania - Workplace Hazard

titanium dioxide

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

SAFETY DATA SHEET

BASWAphon Fine

Section 15: Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

New York City - Hazardous Substance

Section 16: Other Information

NFPA Rating

Health: 1

Fire: 0

Reactivity: 0

HMIS Rating

Health: *1

Fire: 0

Reactivity: 0

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

BASWA Acoustic North America, LLC

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SAFETY DATA SHEET

BASWAphon Acoustical Panels

Section 1: Identification Of the Substance/Mixture And Of The Supplier

Supplier BASWA acoustic North America, LLC 21863 Aurora Road Cleveland, OH 44146 Company Contact: Paul Gallo Telephone Number: 440-951-6022 FAX Number: 216-475-7197 E-Mail: paul@baswausa.com	Manufacturer BASWA acoustic AG Marmorweg 10 CH-6283 Baldegg Switzerland Telephone Number: +41 41 914 02 22 FAX Number: +41 41 914 02 20 E-Mail: msds@baswa.com
Supplier Emergency Contacts & Phone Number Edwin G. Sellers, Jr.: 305-814-3213	Manufacturer Emergency Contacts & Phone Number Swiss Toxicological Information Ctr.: +41 44 251 5151

Issue Date: 10/10/2014

Product Name: BASWAphon Acoustical Panels

CAS Number: Not Established

Chemical Family: Tiles made from creped glass wool insulation with high compression strength

Product Code: a001-a004

Product/Material Uses

Acoustic tiles for bonding to ceilings and walls.

Section 2: Hazards Identification



Hazard Classification(s)

HAZARD CLASSIFICATION(S):

Eye Damage/Irritation: Category 2

Skin Corrosion/Irritation: Category 2

Specific Target Organ Toxicity, Single Exposure: Category 3 (Respiratory System)

Carcinogenicity - Category 2

SIGNAL WORD: WARNING

HAZARD STATEMENTS:

Causes eye irritation (H320)

Causes skin irritation (H315)

May cause damage to organs (lungs) through inhalation

Suspect of causing cancer. (H351)

PRECAUTIONARY STATEMENTS:

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe mist, vapor or spray.

P264 - Wash thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear protective gloves.

P302+P352 - IF ON SKIN: wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

SAFETY DATA SHEET

BASWaphon Acoustical Panels

Section 2: Hazards Identification - Continued

Hazard Classification(s) - Continued

P308+P313 - If exposed or concerned: Get medical advice/attention.
P332+P313 - If skin irritation occurs: Get medical attention/advice.
P337+P313 - If eye irritation persists: Get medical attention/advice.
P362+P364 - Take off contaminated clothing and wash it before use.
P405 - Store locked up.
P501- Dispose of contents/container in accordance with local, state, federal and international regulation.

Section 3: Composition/Information On Ingredients

Ingredient Name	CAS Number		Percent Of Total Weight
silicate glass	65997-17-3		10
insulation glass wool	Not Establis		90
terpolymer phenol-urea formaldehyde phenoplast binder	N/A		8

Section 4: First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Do not allow victim to rub eye(s). Let eye(s) water naturally. Get medical attention immediately if irritation develops and persists.

Skin

Wash affected areas with copious amounts of soap and water. Get medical attention immediately if irritation (redness, rash, blistering) develops.

Ingestion

Flush mouth out with water. Get medical attention immediately. Granulation can lead to mechanical damage of the teeth it remains in the mouth. Never give anything by mouth to an unconscious victim.

Inhalation

Remove person from source of exposure to fresh air. Get medical advice. If breathing is difficult, give oxygen.

Note To Physician

Remove any remaining solid materials from the eyes and mouth.

Section 5: Fire Fighting Measures

Flammability Class: Non-flammable/non-combustible

Fire And Explosion Hazards

Thermal decomposition ("burning") may evolve toxic combustion byproducts - NOx, CO, formaldehyde and acrylic monomers.

Extinguishing Media

Use the appropriate extinguishing media for the surrounding fire: water spray, dry chemical, carbon dioxide or firefighting foam.

Fire Fighting Instructions

Firefighters should wear self-contained breathing apparatus and full protective gear.

SAFETY DATA SHEET

BASWaphon Acoustical Panels

Section 6: Accidental Release Measures

Pick up released product with appropriate implements and return to original container if reusable. Pick up broken pieces and dust using vacuum or wet methods to avoid generating dust.

Section 7: Handling And Storage

Handling And Storage Precautions

Keep containers tightly closed. Store in original container. Keep from freezing. Proper storage temperature range is 41 F (5C) to 120 F (49C). Protect from excessive moisture, rain and water, which may warp or discolor (stain) panels.

Handling Precautions

Handling may cause release of fibrous dust. Handle carefully to avoid breakage and dust generation. Use a knife to cut instead of a saw.

Work/Hygienic Practices

Wash areas of exposed skin thoroughly after handling.

Section 8: Exposure Controls/Personal Protection

Engineering Controls

Use with adequate general and local exhaust ventilation. Avoid dusty conditions.

Eye/Face Protection

Safety glasses are recommended as minimum industrial eye protection when handling bulk product.

Skin Protection

Protective gloves and disposable coveralls are recommended to minimize skin contact. Application of skin moisturizer is recommended to prevent drying and cracking of skin and dermatitis.

Respiratory Protection

Engineering controls should be implemented preferentially to reduce exposures. In case of inadequate ventilation, use a NIOSH-approved respirator for dust (e.g., N95 or N100). Firefighters and emergency responders should wear positive pressure demand self-contained breathing apparatus.

Ingredient(s) - Exposure Limits

silicate glass

ACGIH TLV-TWA: 1 f/cc (as special purpose glass & refractory ceramic fibers)

insulation glass wool

ACGIH TLV-TWA: 1 f/cc

Section 9: Physical And Chemical Properties

Appearance

Solid tiles with a non-crystalline, homogeneous structure. Yellow glass wool insulation with a cream-colored or white coating.

Odor

odorless

Chemical Type: Mixture

Physical State: Solid

Melting Point: approx. 900 °C

Specific Gravity: 65 to 75 kg/m³

Solubility: insoluble in water

SAFETY DATA SHEET

BASWaphon Acoustical Panels

Section 10: Stability And Reactivity

Stability: stable

Hazardous Polymerization: will not occur

Conditions To Avoid (Stability)

Protect from freezing and excessive heat.

Incompatible Materials

May be incompatible with acids, such as hydrofluoric acid, ammonium salts, magnesium and fluorine. Acetone and other organic solvents may dissolve the binding agent.

Do not expose tiles to large quantities of water as this will stain the surface.

Hazardous Decomposition Products

Product begins to decompose at temperatures above about 200C. Thermal oxidation (i.e., "burning") may produce decomposition products of carbon, nitrogen, formaldehyde and acrylic monomers.

Dissolving aggregates in hydrofluoric acid may produce toxic and irritating hydrosilicofluoride (H₂SiF₆).

Section 11: Toxicological Information

Eye Effects

Contact with eyes may cause mechanical irritation.

Skin Effects

May cause skin irritation. May cause irritant contact dermatitis from prolonged or repeated contact with unprotected skin, particularly the hands, arms, face and neck.

Acute Oral Effects

Ingestion of large enough amounts to cause significant health hazards is considered unlikely. Intentional ingestion of large amounts may cause gastrointestinal irritation, upset, nausea and vomiting.

Chronic/Carcinogenicity

Use of these products has not been shown to cause cancer in humans. Fibrous glass wool is a possible cancer hazard. Fibrous glass wool has caused cancer in animals but has not produced cancer by inhalation.

This product contains glass wool insulation fibers. Following a thorough review of all the medical-scientific data available at a meeting in October 2001, the IARC panel lowered the classification for glass wool insulation fibers from Group 2B classification ("possibly carcinogenic to humans") to a Group 3 classification ("not classifiable as the carcinogenicity to humans"). IARC said that there is "no evidence of increased risks of lung cancer or of mesothelioma from occupational exposures during manufacturing of these materials, and inadequate evidence over all of any cancer risk. The carcinogenic risk of these fibers seems to be primarily related to the structural shape and size of the fibers rather than physiochemical properties of the chemical material.

Contains aluminum hydroxide. A link between exposure to aluminum or aluminum compounds and Alzheimer's disease or other neurological diseases has been suggested. However, at present, this association is controversial and findings are inconsistent. Ingestion of large amounts of aluminum salts over prolonged periods may cause phosphate deficiency, leading to softening and bending of bones.

Ingredient(s) - Carcinogenicity

silicate glass

Listed In The IARC Monographs

insulation glass wool

NTP - Listed On The National Toxicology Program

SAFETY DATA SHEET

BASWAphton Acoustical Panels

Section 12: Ecological Information

Ecotoxicological Information

The silicate glass portion (>80%) is not biodegradable. Product has no mobility due to its insolubility in water and physical characteristics.

Environmental Fate Information

The product contains no material classified with the potential for bioaccumulation.

Section 13: Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Small amounts of waste may be disposed in an approved sanitary landfill.

This product consists of a large amount of recyclable materials:

fiberglass >80%

coating >70%

Section 14: Transport Information

Proper Shipping Name

not regulated for transportation

Section 15: Regulatory Information

SARA Hazard Classes

Acute Health Hazard

Chronic Health Hazard

SARA Section 313 Notification

This product does not contain any ingredients regulated under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 or 40 CFR 372.

Ingredient(s) - State Regulations

insulation glass wool

California - Proposition 65

Section 16: Other Information

NFPA Rating

Health: 1

Fire: 0

Reactivity: 1

HMIS Rating

Health: *1

Fire: 0

Reactivity: 1

Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

BASWA Acoustic North America, LLC