SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

BASWA Hybrid Panel

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	BASWA Hybrid Panel
Product code	a022
Unique formula identifier (UFI)	Q800-90ST-000Y-VPVX

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

Use of the Substance/Mixture	Acoustic insulation panel.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	BASWA acoustic AG Marmorweg 10 CH-6283 Baldegg Telefon: +41 41 914 02 22 Fax: +41 41 914 02 20 E-Mail: info@baswa.com Ansprechpartner für technische Informationen: BASWA acoustic AG E-Mail: msds@baswa.com Telefon: +41 41 914 02 11
1.4. Emergency telephone number	145 (Tox Info Schweiz)
Revision date	10.08.2026
Version	26.08

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Cat. 2, H315
Serious eye damage/eye irritation, Cat. 2, H319
Skin Sensitisation, Cat. 1, H317

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements

Signal Word

Warning

Hazard Statements

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.

Precautionary statements

P264: Wash skin thoroughly after handling.
P280: Wear protective gloves, protective clothing, eye protection and face protection.
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.
P333+P313: If skin irritation or rash occurs: Get medical attention.
P337+P313: If eye irritation persists: Get medical attention.

Supplemental information

None.

Product identifier

bis-[4-(2,3-epoxipropoxi)phenyl]propane, CAS-No. 1675-54-3, EC-No. 216-823-5
1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether, CAS-No. 2425-79-8, EC-No. 219-371-7
2-piperazin-1-ylethylamine, CAS-No. 140-31-8, EC-No. 205-411-0

2.3. Other hazards

No information is available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components	Weight %	CLP Classification	Product identifier
bis-[4-(2,3-epoxipropoxi)phenyl]propane	< 5%	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317 [Eye Irrit. 2 H319: C ≥ 5 % ¦ Skin Irrit. 2 H315: C ≥ 5 %]	CAS-No.: 1675-54-3 EC-No.: 216-823-5 Index-No: 603-073-00-2

1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether	< 5%	Acute Tox. 4 H332, Acute Tox. 4 H312, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317	CAS-No.: 2425-79-8 EC-No.: 219-371-7 Index-No: 603-072-00-7
2-piperazin-1-ylethylamine	< 5%	Acute Tox. 4 H312, Acute Tox. 4 H302, Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Chronic 3 H412	CAS-No.: 140-31-8 EC-No.: 205-411-0 Index-No: 612-105-00-4

For the full text of the phrases mentioned in this Section, see Section 16.

Hazardous impurities None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation No special measures required.

Skin contact Wash with water and soap as a precaution.

Eye contact Flush eyes with water as a precaution.

Ingestion No special measures required.

4.2. Most important symptoms and effects, both acute and delayed No information is available.

4.3. Indication of any immediate medical attention and special treatment needed Show this safety data sheet to the attending physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.

Unsuitable extinguishing media None.

5.2. Special hazards arising from the substance or mixture Avoid inhaling the combustion products.

5.3. Advice for firefighters

Special protective equipment for firefighters Standard procedure for chemical fires. In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit.

Specific methods Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Do not inhale vapors/aerosols. Ensure adequate ventilation. Ensure adequate ventilation. Avoid dust formation. Use personal protective equipment.
For emergency responders	Use personal protective equipment. Evacuate personnel to safe areas.
6.2. Environmental precautions	If the product contaminates rivers and lakes or drains inform respective authorities.
6.3. Methods and material for containment and cleaning up	Clean contaminated surface thoroughly.
6.4. Reference to other sections	See sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Keep tightly closed in a dry, cool and well-ventilated place.
7.2. Conditions for safe storage, including any incompatibilities	Keep away from humid air and water.
7.3. Specific end use(s)	Use only in accordance with our recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	No data is available on the product itself.

PNEC/DNEL

bis-[4-(2,3-epoxipropoxi)phenyl]propane (CAS 1675-54-3)

EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	general population oral systemic effects long term exposure 0.5 mg/kg bw/day DNEL (216-823-5) workers dermal systemic effects long term exposure 0.75 mg/kg bw/day DNEL (216-823-5) general population inhalation systemic effects long term exposure 0.87 mg/m3 DNEL (216-823-5) workers inhalation systemic effects long term exposure 4.93 mg/m3 DNEL (216-823-5) general population dermal systemic effects long term exposure 89.3 µg/kg bw/day DNEL (216-823-5)
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	11 mg/kg food PNEC (oral, 216-823-5) 0.006 mg/L PNEC (freshwater, 216-823-5) 0.0006 mg/L PNEC (marine water, 216-823-5)

	0.018 mg/L PNEC (freshwater (intermittent releases), 216-823-5) 0.0018 mg/L PNEC (marine water (intermittent releases), 216-823-5) 0.341 mg/kg sediment dw PNEC (sediment (freshwater), 216-823-5) 0.0341 mg/kg sediment dw PNEC (sediment (marine water), 216-823-5) 10 mg/L PNEC (sewage treatment, 216-823-5) 0.0647 mg/kg soil dw PNEC (soil, 216-823-5)
1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether (CAS 2425-79-8)	
EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	general population oral systemic effects long term exposure 0.33 mg/kg bw/day DNEL (219-371-7) general population inhalation systemic effects long term exposure 1.16 mg/m3 DNEL (219-371-7) general population dermal systemic effects long term exposure 3.33 mg/kg bw/day DNEL (219-371-7) workers inhalation systemic effects long term exposure 4.7 mg/m3 DNEL (219-371-7) workers dermal systemic effects long term exposure 6.66 mg/kg bw/day DNEL (219-371-7)
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	0.028 mg/kg food PNEC (oral, 219-371-7) 0.024 mg/L PNEC (freshwater, 219-371-7) 0.0024 mg/L PNEC (marine water, 219-371-7) 0.24 mg/L PNEC (freshwater (intermittent releases), 219-371-7) 0.084 mg/kg sediment dw PNEC (sediment (freshwater), 219-371-7) 0.0084 mg/kg sediment dw PNEC (sediment (marine water), 219-371-7) 100 mg/L PNEC (sewage treatment, 219-371-7) 0.0027 mg/kg soil dw PNEC (soil, 219-371-7)
2-piperazin-1-ylethylamine (CAS 140-31-8)	
EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	workers inhalation local effects acute/short term exposure 80 µg/m3 DNEL (205-411-0) workers dermal systemic effects long term exposure 3.33 mg/kg bw/day DNEL (205-411-0) workers inhalation systemic effects long term exposure 10.6 mg/m3 DNEL (205-411-0) workers inhalation systemic effects acute/short term exposure 10.6 mg/m3 DNEL (205-411-0) workers inhalation local effects long term exposure 15 µg/m3 DNEL (205-411-0)
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	0.058 mg/L PNEC (freshwater, 205-411-0) 0.0058 mg/L PNEC (marine water, 205-411-0) 0.58 mg/L PNEC (freshwater (intermittent releases), 205-411-0) 215 mg/kg sediment dw PNEC (sediment (freshwater), 205-411-0) 21.5 mg/kg sediment dw PNEC (sediment (marine water), 205-411-0) 250 mg/L PNEC (sewage treatment, 205-411-0) 1 mg/kg soil dw PNEC (soil, 205-411-0)

8.2. Exposure controls

Appropriate engineering controls Do not breathe dust. Provide adequate ventilation.

Personal protection equipment

Respiratory protection Breathing apparatus only if aerosol or dust is formed.

Hand protection Protective gloves complying with EN 374.

Eye protection	Wear safety goggles/face protection (EN 166).
Skin and body protection	Long sleeved clothing.
Thermal hazards	Do not heat the product.
Environmental exposure controls	Dispose of waste product or used containers according to local regulations.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Solid.
Colour	Various.
Odour	Odorless.
Melting point/ freezing point:	n/a
Boiling point or initial boiling point / range:	n/a
Flammability:	n/a
Lower and upper explosion limit:	n/a
Flash point:	n/a, (DIN EN ISO 1523)
Auto-ignition temperature:	n/a
Decomposition temperature:	-
pH:	n/a
Kinematic viscosity:	No data available.
Solubility:	Not determined.
Partition coefficient n-octanol/water (log value):	n/a
Vapour pressure:	n/a
Density and/or relative density:	n/a
Relative vapour density:	n/a
Particle characteristics:	not relevant

9.2. Other information

9.2.1 Information with regard to physical hazard classes	No data available.
9.2.2 Other safety characteristics	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity	This product is not reactive under normal ambient conditions.
10.2. Chemical stability	The product is chemically stable under normal ambient conditions (room temperature).
10.3. Possibility of hazardous reactions	Stable under recommended storage conditions.
10.4. Conditions to avoid	No further relevant information available.
10.5. Incompatible materials	According to experience not expected.

10.6. Hazardous decomposition products	None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	Is not to be classified as acutely toxic. **bis-[4-(2,3-epoxipropoxi)phenyl]propane (CAS 1675-54-3)** Dermal LD50 Rabbit = 20000 mg/kg (NLM_CIP) Oral LD50 Rat = 11300 µL/kg (NLM_CIP) **1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether (CAS 2425-79-8)** Dermal LD50 Rat > 2150 mg/kg (ECHA_API) Oral LD50 Rat = 1134 mg/kg (NLM_CIP) **2-piperazin-1-ylethylamine (CAS 140-31-8)** Dermal LD50 Rabbit = 866 mg/kg (ECHA_API) Oral LD50 Rat = 2140 µL/kg (NLM_CIP)
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Carcinogenicity	Not rated.
Germ cell mutagenicity	Not rated.
Reproductive toxicity	Not rated.
Specific target organ toxicity - Single exposure	Not rated.
Specific target organ toxicity - Repeated exposure	Not rated.
Aspiration hazard	Not rated.
Human experience	No data available.

11.2. Information on other hazards

Information on likely routes of exposure	Not classified due to lack of data.
Symptoms related to the physical, chemical and toxicological characteristics	Not classified due to lack of data.
Delayed and immediate effects and also chronic effects from short and long term exposure	Not classified due to lack of data.

Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
Other information	No additional information is available.

SECTION 12: Ecological information

12.1. Toxicity	No data available.

1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether (CAS 2425-79-8)

Environmental Fate - Biodegradation in Water	38 % 28 d degradation (DOC removal) OECD Guideline 301 E (Modified OECD Screening Test) (ECHA_API)
Physical Properties - Coefficient of Octanol/Water Distribution (log Kow)	-0.269 at 25 °C [OECD Guideline 117] (at pH 6.7, ECHA_API) (ECHA_API)

2-piperazin-1-ylethylamine (CAS 140-31-8)

Ecotoxicity - Freshwater Algae - Acute Toxicity Data	EC50 72 h Pseudokirchneriella subcapitata 495 mg/L (IUCLID)
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Pimephales promelas 1950 - 2460 mg/L [flow-through] (EPA) LC50 96 h Poecilia reticulata >1000 mg/L [semi-static] (IUCLID) LC50 96 h Oncorhynchus mykiss >=100 mg/L [semi-static] (IUCLID)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia magna 32 mg/L (IUCLID)
Environmental Fate - Biodegradation in Water	0 % 28 d degradation (O2 consumption) OECD Guideline 301 F (Manometric Respirometry Test) (ECHA_API) 0 % 28 d degradation (CO2 evolution) OECD Guideline 301 F (Manometric Respirometry Test) (ECHA_API) 0 % 28 d degradation (DOC removal) OECD Guideline 301 F (Manometric Respirometry Test) (ECHA_API)
Physical Properties - Bioconcentration Factors (BCFs)	no bioaccumulation expected
Physical Properties - Coefficient of Octanol/Water Distribution (log Kow)	-1.48 at 20 °C (at pH >11, ECHA_API) (ECHA_API)

12.2. Persistence and degradability	No data available.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This substance / mixture does not contain any components in concentrations of 0.1% or higher that are either classified as persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).
12.6. Endocrine disrupting properties	Contains no endocrine disrupting chemicals.
12.7. Other adverse effects	No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products	Dispose of wastes in an approved waste disposal facility.
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number or ID number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.

UN Model Regulations

ADR/RID	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.
Further Information	Not classified as dangerous in the meaning of ADR/RID.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulatory Information	Youth Employment Protection Ordinance (ArGV 5, SR 822.115): Adolescents up to the age of 18 may only come into contact with or be exposed to this product at their work, if this is provided for in the respective education regulation to achieve their educational goals and the prerequisites of the education plan are fulfilled. Young people who are not in basic vocational training are not allowed to work with this product. Water contaminating class (WGK Germany) = -. VOC (CH) = 0.00 %

bis-[4-(2,3-epoxipropoxi)phenyl]propane (CAS 1675-54-3)

EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Substances	Present

1,4-bis(2,3 epoxypropoxy)butane; butanedioldiglycidyl ether (CAS 2425-79-8)

EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Substances	Present

2-piperazin-1-ylethylamine (CAS 140-31-8)

EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Intermediates	"Present ([905-994-8])" As Reaction mass of 2-(2-aminoethylamino)ethanol and 2-piperazin-1-ylethanol and 2-piperazin-1-ylethylamine [RR-93096-1]
EU - REACH (1907/2006) - List of Registered Substances	Present

15.2. Chemical safety assessment	No chemical safety assessment has been carried out for this substance/product.

SECTION 16: Other information

Revision Note	First version.

Key or legend to abbreviations and acronyms

ACGIH: American Conference of Industrial Hygienists
CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
DNEL: Derived No Effect Level .
EWC: European Waste catalogue code
LOAEC: Lowest Observed Adverse Effect Concentration
MAK: Occupational exposure limit.
NOAEC No Observed Adverse Effect Concentration
NOAEL: No observed adverse effect level .
OECD: Organisation for Economic Co-operation and Development
OEL: Occupational Exposure Limits for Hazardous Agents in the Workplace
OSHA: Occupational Safety and Health Administration (USA)
PEC: Predicted exposure concentration .
PEL: Permissible Exposure Limit
PNEC: Predicted No Effect Concentration .
STEL: Short Term Exposure Limit
Carcinogenicity (REACH 57a)
Endocrine disrupting chemical(s) (REACH 57f)
Mutagenicity (REACH 57b)
Causes neurotoxic effects. (REACH 57f)
PBT substance (REACH 57d)
Reproductive toxicity (REACH 57c)
vPvB substance (REACH 57e)
TLV: Threshold limit value
TWA: time weighted average
VeVA: Ordinance on the Treatment of Waste (SR 814.610)
VOC: Volatile organic compounds (VOC) content
WEL: workplace exposure limit

Full text of phrases referred to under sections 2 and 3

H302: Harmful if swallowed.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance 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 any other materials or in any process, unless specified in the text.