

Safety data sheet
according to 1907/2006/EC, Article 31



Printing date 07.03.2012

Version: 3 (GB)

Revision: 07.03.2012

1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: Brio-Verbundelemente (mit EPS/WF-Dämmung)****1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the preparation:** Gypsum fibre board**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Knauf Gips KG

Postfach 10

97343 Iphofen

Germany

Tel +49 (0)9323/31-0

Fax +49 (0)9323/31-277

Further information obtainable from:

Technical information service

Tel +49 (0)9001/31-1000 (see point 16)

E-mail Knauf-Direkt@Knauf.de

1.4 Emergency telephone number:

Hotline for symptoms of poisoning and embryonic toxicology, Berlin

Tel +49 (0)30-19240

2 Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.**Information concerning particular hazards for human and environment:**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**2.3 Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**3 Composition/information on ingredients****Chemical characterization: Mixtures****Description:**

Gypsum fibre board (GF board) made of set gypsum and cellulose fibres (recycled paper), with reduced additives of production aids and hydrophobizing agents.

Water-based dispersion glue is used to attach the insulation.

Dangerous components: Void**Further components:**

CAS: 7778-18-9

calcium sulfate

EINECS: 231-900-3

Reg.nr.: 01-2119444918-26-XXXX

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Remark: Materials with a threshold value for exposure in the workplace – see point 8.

4 First aid measures

4.1 Description of first aid measures

General information: No special measures required.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Wash off with water and soap and rinse again.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing:

Rinse out mouth and then drink plenty of water.

Seek medical treatment.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

For safety reasons unsuitable extinguishing agents: None.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

Smoke.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up: Pick up mechanically.

6.4 Reference to other sections No dangerous substances are released.

7 Handling and storage

7.1 Precautions for safe handling No special measures required.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Store in dry conditions.

7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

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Trade name: **Brio-Verbundelemente (mit EPS/WF-Dämmung)****8.1 Control parameters****Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Wear dust mask FFP1 if dust forms.

Protection of hands: Not required.

Material of gloves: Not required.

Eye protection: Wear safety goggles with side protection if dust develops.

Body protection: Protective work clothing

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Plate
Colour:	grey, beige-grey
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	Not applicable in the supplied state, suspension 6-9.

Change in condition

Melting point/Melting range:	Not applicable.
Boiling point/Boiling range:	Not applicable.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not applicable.

Self-igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Vapour pressure: Not applicable.

Density at 20°C: 1100 - 1200 kg/m³

Relative density: Not determined.

Vapour density: Not applicable.

Evaporation rate: Not applicable.

Solubility in / Miscibility with

water: c. 2 g/l (calcium sulphate x 2 H₂O) at 20°C

Segregation coefficient (n-octanol/water): Not applicable.

Viscosity:

Dynamic: Not applicable.

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Trade name: Brio-Verbundelemente (mit EPS/WF-Dämmung)**Kinematic:**

Not applicable.

9.2 Other information

Gypsum fibre board with polystyrene, building material class E in accordance with EN 13501-1.

Gypsum fibre board with WF, building material class E in accordance with EN 13501-1.

Thermal decomposition of gypsum

in CaSO₄ and H₂O from 140 °Cin CaO and SO₃ from 1000 °C

Thermal decomposition of cellulose fibers: from 200°C

Thermal decomposition of PS: from 300°C

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10 Stability and reactivity**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Avoid damp conditions.

10.3 Possibility of hazardous reactions No dangerous reactions known.**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:** None known.**10.6 Hazardous decomposition products:** No decomposition if used according to specifications.**11 Toxicological information****11.1 Information on toxicological effects****Additional toxicological information:** Non-toxic.**12 Ecological information****12.1 Toxicity****Aquatic toxicity:** No further relevant information available.**12.2 Persistence and degradability** No further relevant information available.**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Product is safe in terms of ecology and physiology.

Water hazard class 1 (appendix 4, VwVwS Deutschland of 17.05.1999): Little risk of pollution

Do not allow product to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations****13.1 Waste treatment methods****Recommendation** Disposal must be made according to official regulations.**European waste catalogue**

17 08 02 gypsum-based construction materials other than those mentioned in 17 08 01

17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03

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Trade name: Brio-Verbundelemente (mit EPS/WF-Dämmung)**Uncleaned packaging:****Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

* **14 Transport information**

14.1 UN-Number	
ADR, IMDG, IATA	Void
14.2 UN proper shipping name	
ADR, IMDG, IATA	Void
14.3 Transport hazard class(es)	
ADR, IMDG, IATA	
Class	Void
14.4 Packing group	
ADR, IMDG, IATA	Void
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
UN "Model Regulation":	-

15 Regulatory information

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing MSDS: Knauf Gips KG, Abteilung Umwelt und Sicherheit, 97343 Iphofen

Contact:

Technical information service (see point 1)

A call to Knauf Direkt will be charged at 0.39 € per minute. Callers, the telephone numbers of whom are not saved in the Knauf Gips KG address database, e.g. private property owners or non-customers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

* **Data compared to the previous version altered.**