

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



Printing date 16.10.2012

Version: 4 (GB)

Revision: 08.10.2012

**1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier**Trade name: **Silentboard****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Application of the substance / the preparation: Gypsum 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:**

No hazards to be particularly mentioned.

**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:**

Fire-resistant board made of set gypsum and barytes, clad with board. Core with reduced additives of starch, tensides added fibre for strength and fire-resistance reinforcement.

**Dangerous components:** Void**Further components:**

CAS: 7778-18-9 calcium sulfate

EINECS: 231-900-3

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

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

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#### **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.

If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**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 (CO<sub>2</sub>)

Sulphur oxide (SO<sub>x</sub>)

Hydrogen fluoride (HF)

##### **5.3 Advice for firefighters**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information** The product is not flammable.

#### **6 Accidental release measures**

##### **6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

##### **6.2 Environmental precautions:**

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

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

##### **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### **7 Handling and storage**

##### **7.1 Precautions for safe handling**

Prevent formation of dust.

Do not inhale dust.

Ensure good ventilation/exhaustion at the workplace.

**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.

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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.

**8.1 Control parameters**

Ingredients with limit values that require monitoring at the workplace:

**CAS: 7727-43-7 barium sulphate, natural (50-100%)**WEL Long-term value: 10\* 4\*\* mg/m<sup>3</sup>

\*inhalable dust \*\*respirable dust

Remark A = alveolar fraction, E = inhalable fraction

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 FFP2 if dust forms.**Protection of hands:** Not required.**Eye protection:** Wear safety goggles with side protection if dust develops.**Body protection:** Light weight protective clothing

### \* 9 Physical and chemical properties

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

Plate

**Colour:**

Gypsum core: white, white-beige, white-grey

Board: brown, 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.

**Decomposition temperature:**

Not determined.

**Self-igniting:**

Product is not selfigniting.

**Danger of explosion:**

Product does not present an explosion hazard.

**Vapour pressure:**

Not applicable.

**Density:**1,35 - 1,45 g/cm<sup>3</sup>**Relative density**

Not determined.

**Vapour density**

Not applicable.

**Evaporation rate**

Not applicable.

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**Trade name: Silentboard****Solubility in / Miscibility with water:**c. 2 g/l (calcium sulphate x 2 H<sub>2</sub>O) at 20°C**Partition coefficient (n-octanol/water):** Not applicable.**Viscosity:****Dynamic:**

Not applicable.

**Kinematic:**

Not applicable.

**9.2 Other information**Thermal decomposition of gypsum  
in CaSO<sub>4</sub> and H<sub>2</sub>O from 140 °C  
in CaO and SO<sub>3</sub> from 1000 °C**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:** No further relevant information available.**10.6 Hazardous decomposition products:** No dangerous decomposition products known.**11 Toxicological information****11.1 Information on toxicological effects** Not toxic.**Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

**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:** 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 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: Silentboard****Uncleaned packaging:****Recommendation:**

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

<b>14 Transport information</b>
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<b>14.1 UN-Number</b>	
ADR, IMDG, IATA	Void
<b>14.2 UN proper shipping name</b>	
ADR, IMDG, IATA	Void
<b>14.3 Transport hazard class(es)</b>	
ADR, IMDG, IATA	
<b>Class</b>	Void
<b>14.4 Packing group</b>	
ADR, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b>	
<b>Marine pollutant:</b>	No
<b>14.6 Special precautions for user</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>UN "Model Regulation":</b>	-

<b>15 Regulatory information</b>
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**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

<b>16 Other information</b>
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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.

**Building material class:** Particulars see technical data sheet.

**Department issuing MSDS:** Knauf Gips KG, Abteilung Nachhaltigkeit und REACH, 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:**

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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