

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



Printing date 11.05.2011

Version: 1 (GB)

Revision: 11.05.2011

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

- **Product identifier**
- **Trade name: Ausbau-Verbundplatte PS**
- **Application of the substance / the preparation:** Gypsum board with PS-insulation
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Knauf Bauprodukte GmbH & Co. KG
Postfach 10
97343 Iphofen
Deutschland
Tel +49 (0)9323/31-0
Fax +49 (0)9323/31-323
- **Further information obtainable from:**
Technical information service
Tel +49 (0)1805/31-9000 (14 cents / min. from the German network; mobile telephone prices may differ)
E-mail KnaufBP-Direkt@Knauf-Bauprodukte.de
- **Emergency telephone number:**
Hotline for symptoms of poisoning and embryonic toxicology, Berlin
Tel +49 (0)30-19240

2 Hazards identification

- **Classification of the substance or mixture**
- **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.
- **Label elements**
- **Labelling according to EU guidelines:**
The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).
- **Special labelling of certain preparations:**
Safety data sheet available for professional user on request.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Gypsum board made of set gypsum, clad with board. Gypsum core with small quantities of starch and tenside.
Bonded system made of gypsum board with polystyrene-insulation. Glue: water-based dispersion glue.
- **Dangerous components:** Void
- **Remark:** Materials with a threshold value for exposure in the workplace – see point 8.

4 First aid measures

- **Description of first aid measures**
- **General information:** No special measures required.

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- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash off with water and soap.
- **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.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Carbon dioxide (CO₂)
Smoke.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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

- **Handling:**
- **Precautions for safe handling**
Prevent formation of dust.
Do not inhale dust.
Do not hot wire cut in unventilated areas.
- **Information about fire - and explosion protection:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **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.
Store in a cool place.
- **Specific end use(s)** No further relevant information available.

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8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.
- **Remark A** = alveolar fraction, **E** = inhalable fraction
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **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.
- **Eye protection:** Wear safety goggles with side protection if dust develops.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
 - Form:** Plate
 - Colour:** Gypsum core: white, white-beige, white-grey
Board: 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:** Undetermined.
 - Boiling point/Boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition temperature:**
 - Decomposition temperature:** Not determined.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapour pressure:** Not applicable.
- **Density at 20°C:** 0.7-0.9 g/cm³
- **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

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- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not applicable.
 - Kinematic:** Not applicable.
- **Other information**
 - Thermal decomposition of gypsum in CaSO₄ and H₂O from 140 °C
 - in CaO and SO₃ from 1000 °C
 - Thermal decomposition of PS: from 300°C

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
 - No decomposition if used and stored according to specifications.
 - Avoid damp conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Keep ignition sources away - Do not smoke.
- **Incompatible materials:** Organic solvents
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **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

- **Toxicity**
- **Acquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
 - Do not allow product to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **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

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

- **Uncleaned packaging:**
- **Recommendation:**
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **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.

- **Building material class:** Particulars see technical data sheet.
- **Department issuing MSDS:** Knauf Gips KG, Abteilung Umwelt und Sicherheit, 97343 Iphofen
- **Contact:** Technical information service (see point 1)