

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

Printing date 20.08.2013

Version: 1

Revision: 20.08.2013

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

No further relevant information available.

Application of the substance / the preparation: Gypsum board**1.3 Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Knauf İnşaat ve Yapı Elemanları Sanayi ve Ticaret A.Ş.

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Further information obtainable from:

Technical information service

Tel +90 (0)312 297 01 77

Tel +90 (0)312 297 01 25 (see point 16)

E-mail teknik@knauf.com.tr

1.4 Emergency telephone number: Use local emergency number**SECTION 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.**SECTION 3: Composition/information on ingredients****Chemical characterization: Mixtures****Description:**

Gypsum board made of hardened gypsum, gypsum core with low quantities of additives such as starch, surfactants, glass fibres and mineral filling materials. Sheathing with a mineral coated glass fibre fleece material (product made of textile glass staple fibre with a nominal diameter of 10 µm).

The product contains no small fibres with a diameter of <3 µm at a length of 5 µm to 100 µm. They are not respirable but as airborne fibre can be a nuisance. The straight glass fibres used in glass fibre fleece material do not fall under the 3rd regulation amending German Ordinance on Hazardous Substances dated 12 June 1998 and according to the Ordinance on Hazardous Substances are not considered to be carcinogenic.

Dangerous components: Void

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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.

SECTION 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.

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.

SECTION 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 None.

5.3 Advice for firefighters

Protective equipment: No special measures required.

Additional information The product is not flammable.

SECTION 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

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust.

Do not inhale dust.

Any unavoidable deposit of dust must be regularly removed.

Industrial vacuum cleaner suitable for dust suction must be used.

Ensure that suitable extractors are available on processing machines

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.

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Trade name: **Guardex****Further information about storage conditions:** Store in dry conditions.**7.3 Specific end use(s):** No further relevant information available.

SECTION 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:**

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:**

Use skin protection cream for skin protection.

Wash hands before breaks and at the end of work.

Shower or take a bath at the end of work.

Respiratory protection: Wear dust mask FFP1 if dust forms.**Protection of hands:**

Protective gloves

Material of gloves: Leather gloves**Eye protection:** Wear safety goggles with side protection if dust develops.**Body protection:**

Protective work clothing

Long-sleeve, fastened clothing.

SECTION 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

Fleece: light-grey

Odour:

Odourless

Odour threshold:

Not determined.

pH-value:

Not applicable in the supplied state, suspension 7-10

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:**Decomposition temperature:**

Not determined.

Self-igniting:

Product is not selfigniting.

Danger of explosion:

Product does not present an explosion hazard.

Vapour pressure:

Not applicable.

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Density at 20 °C:	0,8-0,9 g/cm ³
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 H ₂ 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 ₄ and H ₂ O from 140 °C in CaO and SO ₃ from 1000 °C

SECTION 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.**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Not toxic.

Glass fibres: the type of textile glass staple fibres used in the glass fibre fleece material was classified by the International Agency for Research in Cancer (IARC) as Group 3 "not classifiable with respect to cancerogenic properties in humans."

SECTION 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.**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Recommendation** Disposal must be made according to official regulations.

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Trade name: Guardex**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

Uncleaned packaging:**Recommendation:**

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

SECTION 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

14.5 Environmental hazards:**Marine pollutant:**

No

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":

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SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations:****Waterhazard class:**

Water hazard class 1 (VwVwS Germany 17.05.1999): slightly hazardous for water.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**SECTION 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: Technical information service (see point 1)**Contact:** Technical information service (see point 1)**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