

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

1.1 Product identifierTrade name: **Strahlenschutzplatte****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 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

SECTION 2: Hazards identification
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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:**

Lead, in its compact form, is classified as a product that is not considered dangerous, however if it has arisen or is released from the use of hazardous substances. Dust or vapour containing lead may occur when the product is processed. Lead oxide occurs if the alloy is heated up in excess of the melting point.

Excessive exposure due to inhalation and / or ingestion of the dust or fumes containing lead could cause a loss in appetite, anaemia, malaise, insomnia, headaches, irritability, myalgia and joint pains, myasthenia, gastritis and liver alterations.

2.2 Label elements**Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Additional information:**

Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.

Safety data sheet available on request.

2.3 Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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Trade name: **Strahlenschutzplatte****SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid formation of dust.

Do not inhale 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.

Avoid formation of dust.

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**

Ensure good ventilation / exhaustion at the workplace.

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.**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.

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.

Do not inhale dust / smoke / mist.

Avoid contact with the skin.

Respiratory protection: Wear dust mask FFP2 if dust forms.**Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

Body protection: Protective work 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
Board: beige, grey
Lead foil: metallic grey

Odour: Odourless

pH-value: Not applicable in the supplied state, suspension 6-9.

Change in condition

Melting point/Melting range: The lead sheet has a melting point of 327 °C.

Boiling point/Boiling range: Not applicable.

Flash point: Not applicable.

Density: Construction board: 0,8 – 0,9 g/cm³
Lead foil: 11,3 g/cm³

Solubility in / Miscibility with water:

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

9.2 Other information

The plasterboard is not flammable, building material class A2 in accordance with DIN 4102, part 1.
Thermal decomposition of gypsum
in CaSO₄ and H₂O from 140 °C
in CaO and SO₃ from 1000 °C

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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.

Temperatures which could cause the formation of lead vapour or lead oxide fumes (red hot).

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

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Strong oxidation agents.
Ammonium nitrate
Azide

10.6 Hazardous decomposition products: No decomposition if used according to specifications.**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Acute effects (acute toxicity, irritation and corrosivity)**

Lead is used as a safety-relevant component for the lead lamination of the product. An acute intoxication after ingestion or coming into contact with skin is not probable. Due to the poor resorption via the gastrointestinal mucosa-adherent, extremely high doses could cause acute poisoning at best. Based on proven medical knowledge, it is not likely that lead can be absorbed into the system via unbroken skin. A long-term, increased intake of dust containing lead can cause the lead to reach the bloodstream. In the case of pregnancy, the risk of intrauterine damage is probable. If pregnant women are exposed in this manner, such damage cannot be excluded, even if the MAK value has been maintained.

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.**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 Waste treatment methods****Recommendation**

Disposal must be made according to official regulations.

Lead should be recycled.

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

17 04 03 lead

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Trade name: Strahlenschutzplatte**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:	Not applicable.
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":	-

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: 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:

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

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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