

1 Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Trade name:

Rigidur Estrichelemente PS**Rigidur flooring composite panel PS (all types, all thicknesses)****1.2 Relevant identified uses of the mixture and uses advised against**

No further relevant information available

Uses of the substance/mixture: building material

1.3 Details of the supplier of the Safety Data Sheet**Manufacturer/Supplier:**Saint-Gobain Rigips GmbH
Schanzenstraße 84
D-40549 Düsseldorf
Germany**National contact:**Saint-Gobain Rigips GmbH - Ladenburg Development Center – Gypsum Development
Dr.-Albert-Reimann-Straße 20
D – 68526 Ladenburg
+49(0)621-4701691
Email forschung-entwicklung@rigips.de**1.4 Emergency telephone number:**

Tel +49 (0)621 4701691 (only at daily working-times)

Common European Emergency Number: 112

2 Hazards identification**2.1 Classification of the substance or mixture****Classification according to regulation (EC) Nr. 1272/2008**

The product is not classified according to the CLP regulation

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

Description:

Article consisting of two with PVAC-glue bonded gypsum fibre boards (boards consisting of gypsum, paper fibres, mineral additives), laminated with a EPS insulation board (lamination glue: PVAC-glue).

This product is to be considered as an article as per REACH-definition. Articles are substances or preparations which feature a specific form, surface and shape which define their function to a larger extent than their chemical composition.

Hazardous ingredients

Void

Further components:

CAS: 7778-18-9 calcium sulfate

EINECS: 231-900-3

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

Remark: Materials with a treshold 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. Get medical attention

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 fire fighters:

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 to sewers/surface water 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

7 Handling and storage

7.1 Precautions for safe handling

Prevent formation of dust

Do not inhale dust

Information about fire – 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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 7778-18-9 Calciumsulfat

Limit value- eight hours (based on listings valid in Germany)

TRGS 900 6 mg/m³ (A; alveolar fraction)

DFG 4 mg/m³ (E; inhalable fraction)

DFG 1,5 mg/m³ (A; alveolar fraction)

Dust (respirable fraction)

Limit value- eight hours (based on listings valid in Germany)

TRGS 900 1,25 mg/m³ (A; alveolar fraction)

DFG 0,3 mg/m³ (A; alveolar fraction)

Dust (inhalable fraction)

Limit value- eight hours (based on listings valid in Germany)

TRGS 900 10 mg/m³ (E; inhalable fraction)

DFG 4 mg/m³ (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.

Personal protection equipment

Respiratory protection: Wear dust mask FFP1 if dust develops

Protection of hands:

Protective gloves. The glove material has to be impermeable and resistant to the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

Appearance:

Physical state: Plate

Colour: multicoloured

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 temperature/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 self-igniting
Danger of explosion:	Product does not present an explosion hazard
Vapor pressure:	Not applicable
Relative density:	Not determined
Vapor density:	Not applicable
Evaporation rate:	Not applicable
Solubility in/Miscibility with water:	ca. 2 g/l (calcium sulfate x 2 H ₂ O) at 20 °C
Partition coefficient (n-octanol/water):	Not applicable
Viscosity:	
Dynamic:	Not applicable
Kinematic:	Not applicable

Other information:

Thermal decomposition of gypsum
to CaSO₄ and H₂O starting at app. 140°C
to CaO and SO₃ starting at app. 1000 °C
Thermal decomposition of EPS: from 300 °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 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 decomposition if used according to specifications.

11 Toxicological information

Information on toxicological effects:

Acute toxicity: Based on available data, the classification criteria are not met.

Primary irritant effect:

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiration of skin sensitisation: Based on available data, the classification criteria are not met.

Additional toxicological information

Non-toxic

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction).

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

12.1 Toxicity:

Aquatic: 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.

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

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

Recommendation:

The mentioned waste-classes are only an advice because according to EC-Law the waste-class must be defined by the origin of the waste. The correct waste code may differ and must be classified by the waste owner.

Attention: Observe local regulations and laws!

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 MARPOL 73/78 and the IBC Code: Not applicable
UN "Model Regulation": Void.

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

Water hazard class (according to german law):
WGK 1, slightly water hazardous (Classification according to VwVwS, Annex 4)

Chemical Safety Assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Indication of changes

New MSDS according to regulation (EC) 1907/2006.

Department issuing MSDS:

Saint-Gobain Rigips GmbH, Department: Ladenburg Development Center – Gypsum Development (LDC-GD); 68526 Ladenburg

Point of contact: See point 1

Information and instructions provided in this SDS are based on the current state of scientific and technical knowledge at the date of issue indicated. It should not be construed as any guarantee of technical performance, suitability for particular applications, and does not establish a legally valid contractual relationship.

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)
ICAO: International Civil Aviation Organisation
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 Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
EILINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative