

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

### **1.1 Product identifier**

**Trade name:**  
**Rigips Die Harten (all types)**

### **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](mailto: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 of carton-covered calcium sulphate core of different hydrate levels with additives (such as starch, surfactant, in some types of panels - e.g. fire protection panels - glass fibres for core reinforcement; Hydrophobing of the board core in the case of impregnated boards.

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 sulphate

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

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

### **5.3 Advice for fire fighters:**

**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 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

### **Storage class**

Non-combustible solids.

### **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 Occupational exposure limits**

CAS: 7778-18-9 Calciumsulphate  
Limit value (based on TRGS 900-listings valid in Germany)  
6 mg/m<sup>3</sup> (A; alveolar fraction)

Dust (respirable fraction)  
Limit value (based on TRGS 900-listings valid in Germany)  
1,25 mg/m<sup>3</sup> (A; alveolar fraction)

Dust (inhalable fraction)  
Limit value (based on TRGS 900-listings valid in Germany)  
10 mg/m<sup>3</sup> (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:**

Not required

#### **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:** Gypsum core: white, white-beige, white-grey  
Paper-liner: different colours

**Odour:** Odourless

**Odour treshold:** Not determined

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

**Change in condition**

<b>Melting point / melting range:</b>	Not applicable
<b>Boiling temperature/boiling range:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Flammability (solid, gaseous)</b>	Not applicable
<b>Ignition temperature:</b>	Not applicable
<b>Decomposition temperature:</b>	Not determined
<b>Self-igniting:</b>	Product is not self-igniting
<b>Danger of explosion:</b>	Product does not present an explosion hazard
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	Not determined
<b>Vapor density:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable
<b>Solubility in/Miscibility with water:</b>	ca. 2 g/l (calcium sulphate x 2 H <sub>2</sub> O) at 20 °C
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable
<b>Kinematic:</b>	Not applicable

**Other information:**

Thermal decomposition of gypsum  
to CaSO<sub>4</sub> and H<sub>2</sub>O starting at app. 140°C  
to CaO and SO<sub>3</sub> starting at app. 1000 °C

**10 Stability and Reactivity**

**10.1 Reactivity:**

No further relevant information available

**10.2 Chemical stability**

**Thermal decomposition/conditions to be avoided:**

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:** 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 in our experience and the information provided to us.

## **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:** 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 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

### **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:**  
    **Marine pollutant:** No  
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":** -.

### **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**

Safety data sheet acc. 1907/2006/EG; Annex II, as amended (EU 2015/830)

#### **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:**

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  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)