

# Product information and processing instructions

Adapted to 1907/2006/EC, Article 31. Safety data sheets are only required for hazardous substances and hazardous mixtures, this product does not fall under any of these categories.

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

### **1.1 Product identifier**

**Trade name: Rifino Top**

### **1.2 Relevant identified uses of the mixture and uses advised against**

Uses of the substance/mixture:  
building material

### **1.3 Details of the supplier of the product information and processing instructions**

Saint-Gobain Rigips GmbH  
Schanzenstraße 84  
D-40549 Düsseldorf  
Germany

#### **National contact:**

Saint-Gobain Rigips GmbH - Ladenburg Development Center – Gypsum Development  
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## **2 Hazards identification**

### **2.1 Classification of the substance or mixture**

**Not classified according to regulation (EC) No. 1272/2008.**  
Nevertheless, please note this product information.

### **2.2 Label elements**

**No labelling according to regulation (EC) No. 1272/2008.**  
**Hazard pictograms:** void  
**Signal word:** void  
**Hazard statements:** void

### **2.3 Other hazards**

None.

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## 3 Composition / information on ingredients

### **Chemical characterization:**

Mixtures.

### **Description:**

Mixture of calcium sulfate of different hydrate levels with additives such as mineral fillers, additives, polymer powders.

CAS: 7778-18-9 Calcium sulfate

EINECS: 231-900-3

Reg.no.: 01-2119444918-26-XXXX

### **Hazardous ingredients:**

Void.

**Remark:** Materials with a threshold 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. 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**

None.

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## 5.3 Advice for firefighting

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** The product is not flammable. Product sets/hardens in contact with water.

## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Avoid formation of dust.

Avoid contact with skin and eyes.

Product forms slippery surface when combined with water.

### 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 (dry) mechanically.

### 6.4 Reference to other sections

Personal protection: See section 7 + 8.

Disposal information: See section 13.

## 7 Handling and storage

### 7.1 Precautions for safe handling

Avoid formation of dust.

**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. Keep container tightly sealed.

**Storage class:**

Non-combustible solids.

### 7.3 Specific end use(s): Not relevant.

## 8 Exposure controls/personal protection

### 8.1 Control parameters

**Ingredients with limit values that require monitoring at the workplace:**

Occupational exposure limits (based on TRGS 900-listings valid in Germany)

CAS: 7778-18-9 Calciumsulphate

Limit value (TRGS 900): 6 mg/m<sup>3</sup> A

Dust (inhalable fraction)

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Limit value (TRGS 900): 10 mg/m<sup>3</sup> E

Dust (respirable fraction)

Limit value (TRGS 900): 1,25 mg/m<sup>3</sup> A

**Note:** 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.

### 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.

#### Material of gloves:

Cotton gloves impregnated with nitrile.

#### 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 working clothing.

## 9 Physical and chemical properties

### 9.1 Information in basis physical and chemical properties

#### Appearance:

**Physical state:** Solid, Crystalline powder

**Colour:** white, yellowish, white-beige

**Odour:** Odourless.

**Odour threshold:** Not determined.

**pH-value:** Not applicable in the supplied state, suspension 7-9.

#### 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

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<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 sulfate 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

## 9.2 Other information

### Thermal decomposition of gypsum

to CaSO<sub>4</sub> and H<sub>2</sub>O at 140 °C

to CaO and SO<sub>3</sub> at 1000 °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

### 11.1 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.

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## **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:**

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**

### **13.1 Waste treatment methods**

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**Recommendation:** Disposal must be made according to official regulations.

## **European waste catalogue**

EWC waste disposal No: 170801, 170802, 170107, 170904.

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. The waste-disposer and the municipal waste offices will help. Attention: Observe local regulations and laws!

## **Uncleaned packaging**

### **Recommendation:**

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

## **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**

### **15.1 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)

### **15.2 Chemical Safety Assessment**

A Chemical Safety Assessment has not been carried out.

## **16 Other information**

### **Indication of changes**

None.

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### Department issuing MSDS:

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

### Point of contact:

See point 1.

### Further information

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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative