

## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identification

Product: Block adhesive

Product name: Speedline Block adhesive

### 1.2 Use of the product

Construction materials, construction material additives.

### 1.3 Supplier

SIG Benelux

## Section 2: Hazard identification

### 2.1 Classification of the mixture

- **Classification according to Regulation (EC) No. 1272 (CLP):**  
The substance is not classified as hazardous according to the CLP Regulation.

### 2.2 Label elements

- **Labeling according to Regulation (EC) No. 1272/2008 [CLP]:**  
invalid.
- **Hazard pictograms:** invalid.
- **Signal word:** invalid.

### 2.3 Other hazards

No specific hazards to be noted.

## Section 3: Composition/Information on ingredients

### 3.1 Chemical characterization

Mixture of calcium sulfate hemihydrate with organic additives and mineral filler.

#### Additional information

- **Name:** Calcium sulfate
- **CAS:** 7778-18-9
- **EINECS:** 231-900-3
- **Reg. No.:** 01-2119444918-26 - xxxx
- **Value:** > 75%

## Section 4: First aid measures

### 4.1 Description of first aid measures

- **General remarks:** No adverse effects are expected with normal use of the substance.
- **After inhalation:** Provide fresh air. Consult a physician if necessary.
- **After skin contact:** Wash with plenty of soap and water. Clean contaminated clothing and shoes before use. Consult a physician if necessary. After contact with eyes: In case of contact with eyes, rinse immediately with running water for 10 to 15 minutes, holding the eyelids open, and consult an ophthalmologist.
- **After swallowing:** Immediately rinse mouth and drink plenty of water. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

No other specific symptoms or effects known to date.

### 4.3 Indication of immediate medical attention and special treatment

No further relevant information available.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

- **Suitable extinguishing media:** Use extinguishing media appropriate to local circumstances and the surrounding environment.
- **Extinguishing media that must not be used for safety reasons:** None.

### 5.2 Special hazards arising from the substance or mixture

None.

### 5.3 Advice for firefighters

The product itself does not burn. Adapt firefighting measures to the surrounding environment.

## Section 6: Accidental Release Measures

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

- Ensure adequate ventilation.
- Avoid dust formation.
- Use personal protective equipment.
- Product forms a slippery surface when mixed with water.

### 6.2 Environmental precautions

Do not discharge into drains, surface water, or groundwater.

### 6.3 Methods and materials for containment and cleaning up

#### 6.3.1 Prevention of dispersal

All containers suitable for solids can be used.

#### 6.3.2 Treatment process

Pick up mechanically, dry, and place in suitable containers for disposal.

#### 6.3.3 Further information

None.

### 6.4 Reference to other sections

No additional information available.

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### 7.1.1 Recommendations for protective measures

No special measures required when the product is used correctly.

## Avoid:

- Dust dispersal.
- Inhalation of dust/particles.
- Avoid contact with eyes and skin.

## Measures to prevent fire:

- The product itself does not burn.
- No special fire prevention measures are required.

## Measures to protect the environment:

- No special measures are required to protect the environment.

### 7.1.2 Advice on general occupational hygiene:

- Do not eat, drink, or smoke in work areas. Wash hands after use.
- Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 Conditions for safe storage, including any incompatibilities

- **Technical measures and storage conditions:** Keep in the original packaging for safekeeping.
- **Conditions for storage areas and containers:** No special requirements.
- **Storage instructions:** No relevant information available.

### 7.3 Specific end use(s)

No additional information available.

## Section 8: Exposure Controls and Personal Protection

### 8.1 Control Parameters

#### 8.1.1 Ingredients with Limit Values to be Monitored in the Workplace

- CAS No.: 7778-18-9 Calcium Sulfate (50-100%)
- AGW 6 mg/m<sup>3</sup> A, DFG

#### 8.1.2 Monitoring Procedures

Local ventilation for indoor use.

#### 8.1.3 Release of Hazardous Substances into Air

None.

#### 8.1.4 Risk Management Measures for Specific Applications

None.

### 8.2 Exposure Limitation and Monitoring

- **General protective and hygiene measures:** Avoid contact with eyes and skin. Do not inhale dust/fume. Wash hands after use.

### Personal Protective Equipment

- **Respiratory protection:** FFP2 filter required in case of dust formation.
- **Hand Protection:** Wear protective gloves for prolonged hand contact. The glove material must be impermeable and resistant to the product/substance/preparation. Glove material: cotton gloves impregnated with nitrile.
- **Breakthrough time of the glove material:** the exact breakthrough time is only available from the glove manufacturer.
- **Eye protection:** wear safety glasses in case of product splashes.
- **Body protection:** protective work clothing.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- **Form:** Powder.
- **Colour:** White, white-grey.
- **Odor:** Odorless.
- **Odor threshold:** Not applicable.
- **pH:** Solubility in water: 7.
- **Melting point/freezing point:** Not applicable.
- **Initial boiling point and boiling range:** Not applicable.
- **Flash point:** Not applicable.
- **Evaporation rate:** Not applicable.
- **Flammability (solid, gas):** Not flammable.
- **Vapor pressure:** Not applicable.
- **Vapor density:** Not applicable.
- **Relative density:** 2.3 - 3.0 g/cm<sup>3</sup>.
- **Solubility in water:** Approx. 8.8 g/l at 20°C.

### 9.2 Further information

#### Thermal decomposition of gypsum:

- CaSO<sub>4</sub> x 1/2 H<sub>2</sub>O and H<sub>2</sub>O approx. 140°C.
- CaO and SO<sub>3</sub> approx. 1000°C.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No substances known.

### 10.2 Chemical stability

The mixture is stable under normal ambient and expected storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

No further relevant information available.

### 10.5 Incompatible materials

No incompatible materials known.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

#### Calcium sulfate

Relevant hazard class	Effect dose	Species	Method
Acute oral toxicity	LD50 > 1581 mg/kg bw	Rat	OECD 420
Acute dermal toxicity	n.a.	-	-
Note: No dermal toxicity expected due to the low absorption potential.			
Acute inhalative toxicity	LC50 > 2.61 mg/L	Rat	OECD 403
Note: Maximum achievable dose.			
Reproductive toxicity	NOAEL 790 mg/kg bw	Rat	OECD 422

Note: No signs of reproductive toxicity observed.

- **Skin corrosion/irritation:** Not applicable.
- **Serious eye damage/irritation:** Not applicable.
- **Respiratory or skin sensitization:** Not applicable.
- **Germinal mutagenicity:** Not applicable.
- **Carcinogenicity:** Not applicable.
- **STOT-single exposure:** Not applicable.
- **STOT-repeated exposure:** Not applicable.
- **Aspiration hazard:** Not applicable.
- **Information on likely routes of exposure:** Inhalation of dust.

## Section 12: Ecological Information

### 12.1 Toxicity

Calcium sulfate						
Aquatic toxicity	Effect dose	Exposure time	Species	Method	Assessment	Note
Acute fish toxicity	LC50 > 79 mg/l	96 hours	Japanese ricefish	OECD 203	Harmless at the tested concentration.	LIMIT test
Acute daphnia toxicity	EC50 > 79 mg/l	48 hours	Daphnia magna	OECD 202	Harmless at the tested concentration.	LIMIT test
Acute algae toxicity	E50 > 79 mg/l	72 hours	Selenastrum capricornutum	OECD 201	Harmless at the tested concentration.	LIMIT test
Toxicity to microorganisms in sewage treatment plants.	EC50 > 790 mg/l	3 hours	Exposure	OECD 209	Harmless to microorganisms.	

- No toxicity observed after neutralization.
- The substance can hydrolyze to calcium and sulfate ions.
- The effects mentioned can be partly attributed to decomposition products.
- The environmental data were measured with the hydrolyzed product.

### 12.2 Persistence and degradability

- Abiotic degradation, physical and photochemical degradation.
- The product rapidly hydrolyzes calcium and sulfate ions in the presence of water.
- The individual components are difficult to remove from water.

### 12.3 Bioaccumulative potential

No indications of bioaccumulation potential.

### 12.4 Mobility in soil

- Water-soluble solid calcium sulfate.
- Calcium sulfate is a natural component of soil. Upon penetration into soil, the product is mobile and may contaminate groundwater.

### 12.5 Results of the PBT and vPvB assessment

- PBT: not applicable.
- vPvB: not applicable.

### 12.6 Endocrine disrupting properties

No additional information available.

### 12.7 Other adverse effects

No additional information available.

## Section 13: Disposal considerations

### 13.1 Product

#### EAK/AVV waste code:

- **17 08 02:** Gypsum building materials, except those falling under 17 08 01.
- **17 09 04:** Mixed construction and demolition waste, except those falling under 17 09 01, 17 09 02 and 17 09 03.

### 13.2 Packaging

Untampered, completely emptied packaging can be recycled.

## Section 14: Transport information

Not a dangerous substance within the meaning of these transport regulations.

### 14.1 UN number

None.

### 14.2 UN proper shipping name

Not applicable.

### 14.3 Transport hazard class

Not applicable.

### 14.4 Packing group

Not applicable.

### 14.5 Environmental hazards

None.

### 14.6 Special precautions for user

None.

### 14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## Section 15: Regulatory information

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

Directive 2012/18/EU

#### National legislation:

Germany Water hazard class (WGK):  
slightly hazardous to water (WGK 1)

#### Chemical safety assessment:

This data sheet takes into account the chemical safety assessments for calcium sulfate.

## Section 16: Other information

The information and instructions in this safety data sheet are based on the current state of scientific and technical knowledge on the date of issue indicated. They should not be construed as a guarantee of technical performance or suitability for specific applications and do not create a legally valid contractual relationship.

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