

Schwere Schüttung

Product Safety Information Sheet



A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis
Issue date: 2022/11/15 Revision date: 2022/11/15 Supersedes version of: 2019/1/28 Version: 2.0

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

1.1. Product identifier

Product form : Substance
Substance name : Schwere Schüttung
EC-No. : 231-900-3
CAS-No. : 7778-18-9
REACH registration No : 01-2119444918-26
Product code : 21995_0010
Formula : CaSO₄
BIG No : 15929

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use. Professional use.
Use of the substance/mixture : Construction materials
Construction materials additives

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of product safety information sheet

Manufacturer

Knauf Gips KG
Am Bahnhof, 7
DE- 97346 Iphofen – Bayern
Germany
T 09323/31-0 - F 09323/31-277
zentrale@knauf.de - www.knauf.de
E-mail address of competent person responsible for the SDS : [sds-
info@knauf.com](mailto:sds-info@knauf.com)

Technical information

Technical information service
T +49 (0)9001/31-1000 (see section 16)
knauf-direkt@knauf.de

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : Schwere Schüttung
CAS-No. : 7778-18-9
EC-No. : 231-900-3

Name	Product identifier	%
calcium sulfate	CAS-No.: 7778-18-9 EC-No.: 231-900-3 REACH-no: 01-2119444918-26	≤ 100

3.2. Mixtures

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : If you feel unwell, consult a doctor/medical service.
First-aid measures after inhalation : Remove victim into fresh air. In case of respiratory problems, consult a doctor/medical service.
First-aid measures after skin contact : If possible, wipe up/dry remove chemical. Then rinse/shower immediately with (lukewarm) water.
First-aid measures after eye contact : Rinse immediately with (lukewarm) water. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, consult a doctor/medical service.
First-aid measures after ingestion : Rinse mouth with water. If you feel unwell, consult a doctor/medical service. Do not wait for symptoms to occur to consult Poison Center.

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

Symptoms/effects after inhalation : EXPOSURE TO HIGH CONCENTRATIONS: Dry/sore throat. Coughing. Irritation of the nasal mucous membranes.
Symptoms/effects after skin contact : No effects known.
Symptoms/effects after eye contact : No effects known.
Symptoms/effects after ingestion : Nausea. Vomiting. Diarrhoea.
Chronic symptoms : Irritation of the nasal mucous membranes. Conjunctivitis. Dry/sore throat.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires.

5.2. Special hazards arising from the substance or mixture

Fire hazard : DIRECT FIRE HAZARD: Non combustible.
Explosion hazard : DIRECT EXPLOSION HAZARD: No direct explosion hazard.
Hazardous decomposition products in case of fire : On burning: release of toxic and corrosive gases/vapours (sulphur oxides).

5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighbourhood close doors and windows.
Firefighting instructions : Dilute toxic gases with water spray. Take account of toxic/corrosive precipitation water.

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Protection during firefighting : Heat/fire exposure: self-contained breathing apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Gloves (EN 374). Protective clothing (EN 14605 or EN 13034). Dust cloud production: self-contained breathing apparatus (EN 136 + EN 137).

Emergency procedures : Mark the danger area. Prevent dust cloud formation, e.g. by wetting. No naked flames. Wash contaminated clothes.

Measures in case of dust release : In case of dust production: keep upwind. Dust production: have neighbourhood close doors and windows.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment : Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply. Knock down/dilute dust cloud with water spray.

Methods for cleaning up : Stop dust cloud by humidifying. Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Clean contaminated clothing. Keep container tightly closed.

Hygiene measures : Observe strict hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : < 50 °C

Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: heat sources.

Information on mixed storage : KEEP SUBSTANCE AWAY FROM: oxidizing agents. (strong) acids. water/moisture.

Storage area : Meet the legal requirements. Store in a dry area.

Special rules on packaging : SPECIAL REQUIREMENTS: closing. watertight. dry. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.

Packaging materials : SUITABLE MATERIAL: steel. plastics.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

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8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Schwere Schüttung (7778-18-9)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	5082 mg/m ³ (Experimental value)
Long-term - systemic effects, inhalation	21,17 mg/m ³ (Experimental value)
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	3811 mg/m ³ (Experimental value)
Acute - systemic effects, oral	11,4 mg/kg bw/day (Experimental value)
Long-term - systemic effects, oral	1,52 mg/kg bw/day (Experimental value)
Long-term - systemic effects, inhalation	5,29 mg/m ³ (Experimental value)
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

PNEC : 100 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses (EN 166). In case of dust production: protective goggles (EN 166)

8.2.2.2. Skin protection

Skin and body protection:

Protective clothing (EN 14605 or EN 13034)

Hand protection:

Protective gloves against chemicals (EN 374)

Other skin protection

Materials for protective clothing:

Excellent resistance: Nitrile rubber. Good resistance: Butyl rubber. Polyvinylchloride (PVC)

8.2.2.3. Respiratory protection

Respiratory protection:

Dust production: dust mask with filter type P2

8.2.2.4. Thermal hazards

No additional information available

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8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Colour	: white / Grey.
Appearance	: Crystalline solid. Powder. Granulate.
Molecular mass	: 136,14 g/mol
Odour	: Odourless.
Odour threshold	: Not available
Melting point	: 1450 °C
Freezing point	: Not available
Boiling point	: Not applicable (melting point > 300 °C)
Flammability	: Not available
Explosive limits	: Not applicable
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Flash point	: Not applicable (solid)
Auto-ignition temperature	: Not applicable
Decomposition temperature	: > 1450 °C
pH	: 6 – 7,6 (20 %)
pH solution	: Not available
Viscosity, kinematic	: Not applicable (solid)
Viscosity, dynamic	: Not applicable (solid)
Solubility	: Poorly soluble in water. Substance sinks in water. Soluble in glycerol. Soluble in acids. Water: 0,24 g/100ml (OECD 105: Water Solubility)
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not applicable (solid)
Vapour pressure at 50 °C	: Not available
Density	: 2960 kg/m ³ (20 °C)
Relative density	: 2,96 (20 °C)
Relative vapour density at 20 °C	: Not applicable
Particle size	: 26,2 µm (D10)
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	: Not applicable (inorganic)
Other properties	: Hygroscopic, Neutral reaction

SECTION 10: Stability and reactivity

10.1. Reactivity

Solidifies on exposure to water (moisture).

10.2. Chemical stability

Hygroscopic.

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10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Schwere Schüttung (7778-18-9)

LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 2,61 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

calcium sulfate (7778-18-9)

LD50 oral rat	> 2000 mg/kg bodyweight (OECD 420: Acute Oral toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LC50 Inhalation - Rat	> 2,61 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))

Skin corrosion/irritation : Not classified
pH: 6 – 7,6 (20 %)
Serious eye damage/irritation : Not classified
pH: 6 – 7,6 (20 %)
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Schwere Schüttung (7778-18-9)

Viscosity, kinematic	Not applicable (solid)
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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and symptoms : Not irritant to skin, Not irritant to eyes

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air	: Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: Not harmful to fishes. Mild water pollutant (surface water). No inhibition of activated sludge. Not harmful to activated sludge. Insufficient data available on ecotoxicity.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Schwere Schüttung (7778-18-9)

LC50 - Fish [1]	> 79 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Fresh water, Experimental value, Nominal concentration)
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calcium sulfate (7778-18-9)

LC50 - Fish [1]	> 79 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Fresh water, Experimental value, Nominal concentration)
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12.2. Persistence and degradability

Schwere Schüttung (7778-18-9)

Persistence and degradability	Biodegradability: not applicable.
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

calcium sulfate (7778-18-9)

Persistence and degradability	Biodegradability: not applicable.
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

12.3. Bioaccumulative potential

Schwere Schüttung (7778-18-9)

Bioaccumulative potential	No bioaccumulation data available.
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calcium sulfate (7778-18-9)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

Schwere Schüttung (7778-18-9)

Surface tension	No data available in the literature
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calcium sulfate (7778-18-9)

Surface tension	No data available in the literature
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12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product/Packaging disposal recommendations : Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Remove waste in accordance with local and/or national regulations.
- Additional information : Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
- European List of Waste (LoW) code : 06 03 14 - solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13
16 05 09 - discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08
17 08 02 - gypsum-based construction materials other than those mentioned in 17 08 01

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

- UN-No. (ADR) : Not applicable
UN-No. (IMDG) : Not applicable
UN-No. (IATA) : Not applicable
UN-No. (ADN) : Not applicable
UN-No. (RID) : Not applicable

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : Not applicable
Proper Shipping Name (IMDG) : Not applicable
Proper Shipping Name (IATA) : Not applicable
Proper Shipping Name (ADN) : Not applicable
Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR
Transport hazard class(es) (ADR) : Not applicable

IMDG
Transport hazard class(es) (IMDG) : Not applicable

IATA
Transport hazard class(es) (IATA) : Not applicable

ADN
Transport hazard class(es) (ADN) : Not applicable

RID
Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

- Packing group (ADR) : Not applicable
Packing group (IMDG) : Not applicable
Packing group (IATA) : Not applicable

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Packing group (ADN) : Not applicable
Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No
Marine pollutant : No
Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Schwere Schüttung is not on the REACH Candidate List

Schwere Schüttung is not on the REACH Annex XIV List

Schwere Schüttung is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Schwere Schüttung is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Schwere Schüttung is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

VOC content : Not applicable (inorganic)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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Other information

: 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 noncustomers, will pay 1.69 € per minute from the German network. Callers using mobile telephones will be charged according to the network provider and tariff.

Knauf SDS EU (REACH Annex II)