

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



11800 Selenite, Marienglas

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Revised edition: 26.03.2019

Version: 1

Printed: 22.04.2022

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Selenite, Marienglas

Article No.: 11800

UFI: --

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Filler, binder, adsorption agent

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

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

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

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

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

Substance

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3.1.

3.2. **Mixture**

Chemical Characterization: CaSO₄

Information on Components / Hazardous Ingredients:

Calcium sulphate; REACH Reg. No. 01-2119444918-26-0233	100 %	CAS-Nr: 7778-18-9 EINECS-Nr: 231-900-3 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. **Description of the First Aid Measures**

General information:

No special measures required.

After inhalation:

*Supply fresh air.
Consult physician if symptoms persist.*

After skin contact:

Wash off with water.

After eye contact:

*Rinse open eyes with plenty of water for at least 10 minutes.
Seek medical attention if irritation persists.*

After ingestion:

*Rinse mouth with water and drink plenty of water.
If symptoms persist consult physician.*

4.2. **Most important Symptoms and Effects, both Acute and Delayed**

Symptoms:

No further information available.

Effects:

4.3. **Indication of any Immediate Medical Attention and special Treatment needed**

Treatment:

No information available.

5. Fire-Fighting Measures

5.1. **Extinguishing Media**

Suitable extinguishing media:

*All extinguishing agents suitable.
Use extinguishing media for surrounding fire.*

Unsuitable extinguishing media:

5.2. **Special Hazards arising from the Substance or Mixture**

Special hazards:

No special hazards.

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Product is not flammable.

5.3. Advice for Firefighters

Protective equipment:

No special measures required.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust.

Together with water product causes slippery surfaces.

6.2. Environmental Precautions

Environmental precautions:

No special measures required.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

6.4. Reference to other Sections

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Avoid contact with eyes and skin.

Hygienic measures:

Do not inhale dust. Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

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8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

Calcium sulfate (CAS No. 7778-18-9):

TLV: 6 mg/m³, A, DFG

TLV: 4 mg/m³ general dust limit inhalable fraction.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

5082 mg/m³ (worker, inhalation, short-term exposure - local and systemic effects)

21.17 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

3811 mg/m³ (consumer, inhalation, short-term exposure - local and systemic effects)

5.29 mg/m³ (consumer, inhalation, long-term exposure - systemic effects)

11.4 mg/kg bw/d (consumer, swallowing, short-term exposure - local and systemic effects)

1.52 mg/kg bw/d (consumer, swallowing, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

Do not inhale dust. Do not eat, drink or smoke while working. Wash hands before breaks and at the end of work.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P1 or FFP1).

Hand protection:

Not required

Protective glove material:

Eye protection:

Not required.

Body protection:

Not required.

Environmental precautions:

No special measures required.

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9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>7 (H₂O)</i>
<i>Melting temperature:</i>	<i>1450°C</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not combustible</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>2.3 - 3.0 g/cm³</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</i>
<i>Auto-ignition temperature:</i>	<i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i>
<i>Decomposition temperature:</i>	<i>approx. 140°C (ca. 413 K): CaSO₄ x 1/2 H₂O and H₂O approx. 1000°C (ca. 1273 K): CaSO₄ and SO₃</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>

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Oxidizing properties:

Bulk density: 700 - 900 g/l

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid heat.

Thermal decomposition:

> 1450°C

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Sulphur trioxide and calcium oxide

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 1581 mg/kg (rat; OECD 420)

LD50, dermal:

No information available.

LC50, inhalation:

> 2.61 mg/l (rat; OECD 403)

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

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Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known (guinea pig; OECD 406).

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

No information available.

12. Ecological Information

12.1. Aquatic Toxicity

*No toxicity observed after neutralization.
This product can hydrolyse to calcium and sulphate ions.
The effects can partially be attributed to the decomposition products.
The ecological data were measured with the hydrolyzed product.*

Fish toxicity:

LC50: > 79 mg/l (96h, Japanese rice fish; OECD 203)

Daphnia toxicity:

EC50: > 79 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC50: > 790 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

EC50: > 79 mg/l (72h, Selenastrum capricornutum; OECD 201)

12.2. Persistency and Degradability

*Inorganic substance. Biological degradability is not affected.
The product hydrolyzes quickly to calcium and sulphate ions in the presence of water.
The single components are not easily eliminated from water.
No photochemical elimination.*

12.3. Bioaccumulation

Not applicable.

12.4. Mobility

The product is almost completely insoluble.

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12. 5. Results of PBT- und vPvP Assessment

This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.

12. 6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

No ecological problems expected.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

170802 - Gypsum-based construction materials other than those mentioned in 170801

Uncleaned packaging:

Non contaminated packaging can either be recycled or utilized for energy (incineration).

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

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IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

None

14. 6. Special Precautions for User

none known

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15. 3. Further Information

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.