

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 1

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

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

1.1. Product Identifier

Product Name: Alabaster Modelling Plaster

Article No.: 58343

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

Identified uses:

*Binding agent
Filler, absorption agent
Process materials
Intermediate product*

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

EMail: 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

Composition/Information on Ingredients

next page: 2

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 2

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

3.

3.1. Substance

3.2. Mixture

Chemical Characterization: Calcium sulfate hemi-hydrate ($\text{CaSO}_4 \times \frac{1}{2}\text{H}_2\text{O}$), beta-hemihydrate gypsum

Information on Components / Hazardous Ingredients:

Calcium sulfate hemi-hydrate ($\text{CaSO}_4 \times \frac{1}{2}\text{H}_2\text{O}$); REACH Reg. No. 01-2119444918-26-0183	100 %	CAS-Nr: 10034-76-1 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. If required give artificial respiration. Keep patient warm.

After skin contact:

Wash with plenty of water and soap. Remove contaminated clothing and shoes.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

After ingestion:

Induce vomiting as long as affected person is conscious.

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

Symptoms:

No allergic reactions. Neutral, skin-compatible salt. Soluble dust.

Effects:

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

Treatment:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No special hazards.

next page: 3

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 3

Revised edition: 23.11.2020

Version: 2

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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:

Wear protective clothing.

Ensure adequate ventilation.

Floor may be slippery; use care to avoid falling.

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 reuse or disposal. Avoid formation of dust.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid contact with eyes.

Avoid formation of dust.

Hygienic measures:

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

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:

next page: 4

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 4

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: 10 mg/m³ (8h) inhalable dust (average value)

TLV: 3 mg/m³ (8h) airborne fraction (average value).

Calcium sulfate: 6 mg/m³ (A; TRGS 900); 4 mg/m³ (E; DFG)

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):

Sewage treatment system (STP): 100 mg/l

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.

next page: 5

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 5

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

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>neutral</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>6 - 8 (H₂O; 20°C)</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.</i>
<i>Decomposition temperature:</i>	<i>approx. 700°C (ca. 973 K): CaSO₄ and H₂O > 1000°C (1273 K): CaO and SO₃</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not explosive</i>

next page: 6

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 6

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

Oxidizing properties:

not oxidizing

Bulk density:

800 - 1000 kg/m³

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

Formation of carbon dioxide when mixed with aqueous solutions of sodium carbonate.

10.4. Conditions to Avoid

Conditions to avoid:

Contamination with sulfur-reducing bacteria and water under anaerobic conditions.

Thermal decomposition:

> 1450°C

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Thermal decomposition may yield sulfur 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:

next page: 7

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 7

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (guinea pig; OECD 406).

Mutagenicity:

Not mutagenic (Ames-Test; OECD 471)

In vivo genetic-toxicity: negative (OECD 474, mouse)

Reproductive toxicity:

NOAEL: 790 mg/kg bw (rat; OECD 422)

Carcinogenicity:

No cancerogenic effect known.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: no organospecific toxicity expected.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

Inorganic substance: does not comply with the criteria for the classification as PBT or vPvB.

12.6. Other Adverse Effects

Water hazard class:

next page: 8

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 8

Revised edition: 23.11.2020

Version: 2

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1, slightly hazardous

Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

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

170904 - Mixed construction and demolition wastes

Uncleaned packaging:

Non-contaminated packaging may be recycled.

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 (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

next page: 9

Safety Data Sheet

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



58343 Alabaster Modelling Plaster

Page 9

Revised edition: 23.11.2020

Version: 2

Printed: 08.03.2021

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

Not classified as environmentally hazardous.

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

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 is not necessary 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.