

Safety Data Sheet

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



58180 Natural White Earth

Page 1

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

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

1.1. Product Identifier

Product Name: Natural White Earth

Article No.: 58180

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

Identified uses:

Filler or pigment

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.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

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

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.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

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

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

next page: 2

Safety Data Sheet

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



58180 Natural White Earth

Page 2

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

2.3.

No information available.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Calcium carbonate (CaCO ₃)	50 - 55 %	CAS-Nr: 471-34-1 EINECS-Nr: 207-439-9 EC-Nr:
--	-----------	--

Bentonite	45 - 50 %	CAS-Nr: 1302-78-9 EINECS-Nr: 215-108-5 EC-Nr:
-----------	-----------	---

Additional information:

Exempted from the mandatory REACH Registration (Annex V).

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

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

After eye contact:

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.
Remove contact lens.*

After ingestion:

*Rinse mouth with water and drink plenty of water.
Never give anything by mouth to an unconscious person.*

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

Symptoms:

No further information available.

Effects:

No further information available.

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

Treatment:

No further information available.

5. Fire-Fighting Measures

next page: 3

Safety Data Sheet

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



58180 Natural White Earth

Page 3

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

5. 1. Extinguishing Media

Suitable extinguishing media:

Product itself does not burn.

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

Do not inhale explosion and smoke fumes and gases.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust.

6. 2. Environmental Precautions

Environmental precautions:

No special measures required.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Clean up mechanically.

Dispose accordingly. Rinse spill area.

6. 4. Reference to other Sections

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Wear adequate protective clothing (see para. 8).

Avoid formation of dust.

Hygienic measures:

No further measures, see Section 8.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Do not store together with: acids.

Storage class (VCI):

next page: 4

Safety Data Sheet

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



58180 Natural White Earth

Page 4

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

13; Non combustible solids

Further Information:

7.3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Bentonite (quartz dust): TLV: 3 mg/m³ (airborne dust), 10 mg/m³ (inhalable dust)

Parameters to be controlled:

Natural calcium carbonate, CAS 1317-65-3

VME (FR): 10 mg/m³

MAK (CH): 3 mg/m³

OEL/ HTP (FI): 10 mg/m³ (8h)

TWA / EH40 (GB): 10 mg/m³; 4 mg/m³

Derived No-Effect Level (DNEL):

Calcium carbonate:

10 mg/m³ (worker, inhalation, long-term exposition - local effects)

Predicted No-Effect Concentration (PNEC):

Calcium carbonate:

Sewage treatment system (STP): 100 mg/l

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type P2.

Hand protection:

Protective gloves recommended in case of prolonged or repeated contact.

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

next page: 5

Safety Data Sheet

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



58180 Natural White Earth

Page 5

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

Environmental precautions:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>brown</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not flammable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</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>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>

next page: 6

Safety Data Sheet

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



58180 Natural White Earth

Page 6

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

not applicable

Oxidizing properties:

No information available.

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Reacts with acids.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

Thermal decomposition may yield harmful gases and vapors.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Calcium carbonate: > 2000 mg/kg (rat)

next page: 7

Safety Data Sheet

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



58180 Natural White Earth

Page 7

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

Bentonite: > 2000 mg/kg (rat)

LD50, dermal:

Calcium carbonate: > 2000 mg/kg (rat)

LC50, inhalation:

Calcium carbonate: > 3 mg/kg (rat)

Bentonite: >5.27 mg/l (rat)

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

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

Bentonite:

Fish toxicity:

Bentonite:

*LC50: 16 mg/l (96h, *Oncorhynchus mykiss*)*

LC50: 2.8 - 3.2 g/l (sea fish)

Daphnia toxicity:

Bentonite:

*EC50: > 100 mg/l (48h, *Daphnia magna*; OECD 202)*

*EC50: 81.6 mg/l (96h, *Metacarcinus magister*)*

*EC50: 24.8 mg/l (96h, *Pandalus danae*)*

next page: 8

Safety Data Sheet

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



58180 Natural White Earth

Page 8

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

Bacteria toxicity:

Bentonite:

84.4 mg/kg (*Phaseolus vulgaris*; *Zeo mays*)

Algae toxicity:

Bentonite:

EC50: > 100 mg/l (72h, *Selenastrum subspicatus*)

12. 2. Persistency and Degradability

Pigment is not soluble in water and biologically not degradable.

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

Product is not water soluble.

12. 5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

12. 6. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

The solid form of these materials are a main component of the rocks at the earths surface.

In the dissolved state it is a natural and indispensable component of the natural waters.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Reuse, when possible.

Product can be taken to a waste disposal site according to local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated 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:

next page: 9

Safety Data Sheet

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



58180 Natural White Earth

Page 9

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

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:

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

14.8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

0, not hazardous (German Regulation)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).

Exempted from the mandatory REACH Registration (Annex V).

next page: 10

Safety Data Sheet

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



58180 Natural White Earth

Page 10

Revised edition: 01.01.2018

Version: 1

Printed: 29.10.2018

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

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.