

Safety Data Sheet

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



460007 Cremnitz White in Linseed Oil

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Revised edition: 08.06.2018

Version: 3

Printed: 14.02.2019

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

1.1. Product Identifier

Product Name: Cremnitz White in Linseed Oil

Article No.: 460007

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

Identified uses:

Paint additive

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)

Acute toxicity (oral), hazard category 4
Acute toxicity (inhalation), hazard category 4
Reproductive toxicity, hazard category 1A
Specific target organ toxicity (repeated exposure), hazard category 2

Hazardous to the aquatic environment, acute category 1
Hazardous to the aquatic environment, chronic category 1

H302 Harmful if swallowed.

Cat.: 4

H332 Harmful if inhaled.

Cat.: 4

H360 May damage fertility or the unborn child.

Cat.: 1A

H373 May cause damage to organs through prolonged or repeated exposure.

Cat.: 2

H410 Very toxic to aquatic life with long lasting effects.

Cat.: 1

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

Harmful (Xn) R20 Harmful by inhalation.

Harmful (Xn) R22 Harmful if swallowed.

R33 Danger of cumulative effects.

Hazardous to the Very toxic to aquatic organisms.

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environment (N)	R50	
	R53	May cause long-term adverse effects in the aquatic environment.
	R61	May cause harm to the unborn child.
T, Repr. Cat. 1, 3	R62	Possible risk of impaired fertility.

Safety Phrases:

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

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

Hazard designation:



GHS07



GHS08-2



GHS09

Signal word:

Danger

Hazard designation:

H302	Harmful if swallowed.
H332	Harmful if inhaled.
H360	May damage fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Safety designation:

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P308+P313	If exposed or concerned: Get medical advice/attention.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Basic lead carbonate in linseed oil.

Information on Components / Hazardous

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Ingredients:

Trilead bis(carbonate) dihydroxide	< 80 %	CAS-Nr: 1319-46-6 EINECS-Nr: 215-290-6 EC-Nr: 082-001-00-6
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Intoxication symptoms may occur after several hours, therefore a 48 hour medical observation is necessary.

After inhalation:

In case of unconsciousness place patient stable in side position for transportation.

After skin contact:

*Wash with soap and rinse with plenty of water.
If irritation continues consult a physician.
Remove contaminated clothing.*

After eye contact:

*Rinse open eye for several minutes under running water.
Consult a physician.*

After ingestion:

*Immediately get medical help.
Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.*

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:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

*Product itself does not burn.
Use extinguishing media for surrounding fire.*

Unsuitable extinguishing media:

Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides and smoke.

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When heated or in case of fire: formation of hazard fumes possible.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

Avoid contamination of sewage system, open water ways and ground water.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Ensure adequate ventilation.

Avoid formation of dust.

Respiratory protection in case of formation of vapors/dust/aerosol.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

Contact local authorities if product pollutes soil or vegetation.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

Label as lead compound.

6.4. Reference to other Sections

For information for safe handling see Section 7.

Dispose of contaminated material according to Section 13.

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Avoid formation and deposition of dust. Provide adequate ventilation.

Hygienic measures:

Keep away from foodstuffs and drinks.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Requirements for storage areas and containers:

Open and handle container with care.

The containers should be durably labelled.

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Information on fire and explosion protection:

*Take measures to prevent electrostatic discharge.
Keep breathing apparatus available.
Do not store together with: foodstuffs and animal feed.
Do not store together with: oxidants and acidic products.*

Storage class (VCI):

6.1 D: Non combustible, acute toxic cat. 3 / toxic products

Further Information:

Store in a dry place.

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Lead and its compounds (calc. as Pb) except lead arsenate, lead chromate and alkyl lead compounds.

Lead and its compounds: 0.1 mg/m³ (8h)

Parameters to be controlled:

Lead and its compounds: 0.15 mg/m³ (UK, Control of Lead at Work Regulations (CLAW 2002); BE; HU; ES; IT)

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

Personal Protection

General protective measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale dust.

Respiratory protection:

Dust mask recommended when very dusty (with particle filter P3).

Hand protection:

Protective gloves. The glove material has to be impermeable and resistant to the product / substance / preparation.

Protective glove material:

Chloroprene rubber (CR), nitrile rubber (NBR), butyl rubber, fluoro carbon rubber (FKM), polyvinyl chloride (PVC).

Rinse off and remove gloves immediately after use. Wash hands

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with soap and water.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

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.

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: *paste*

Color: *white*

Odor: *odorless*

Odor threshold:

No information available.

pH-Value: *9.26 (20°C)*

Melting temperature: *220°C*

Boiling temperature: *220°C*

Flash point:

not applicable

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

6.1 g/cm³ (20°C)

Solubility in water:

insoluble

Coefficient of variation (n-

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Octanol/Water):

no information available

Auto-ignition temperature:

not applicable

Decomposition temperature:

400°C

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

no information available

Bulk density:

> 2.0 kg/m³

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

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Reacts with acids, bases and organic substances.

10.4. Conditions to Avoid

Conditions to avoid:

No further information available.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

*Strong oxidizing agents (e.g. hydrogen peroxide, chromic acid)
Strong acids and bases: release of lead(II) ions.*

10.6. Hazardous Decomposition Products

Lead oxide.

10.7. Further Information

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11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral: > 2000 mg/kg (rat)

LD50, dermal:
No information available.

LC50, inhalation:
No information available.

Primary effects

Irritant effect on skin:
No information available

Irritant effect on eyes:
No information available.

Inhalation:
No information available.

Ingestion:
No information available

Sensitization:
No relevant data found.

Mutagenicity:
No relevant data found.

Reproductive toxicity:
Toxic for reproduction. May impair fertility. May cause harm to the unborn child.

Carcinogenicity:
No relevant data found.

Teratogenicity:
No information available.

Specific target organ toxicity (STOT):
No relevant data found.

Additional toxicological information:
Lead compounds are heavy soluble compounds, however, lead particles dissolve in hydrochloric acid in gastric fluids concentration and may accumulate in the body.

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

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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

Not applicable.

12.6. Other Adverse Effects

Water hazard class:

3, hazardous

Do not let product contaminate ground water, waterways or sewage system.

Danger to drinking water even if small quantities leak into the ground.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

Do not incinerate waste containing lead dioxide.

European Waste Code (EWC):

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

3082

14.2. UN Proper Shipping Name

ADR/RID:

UMWELTGEFÄHRDENDER STOFF, FLÜSSIG, N.A.G. (Trileibis (carbonat) Dihydroxid)

IMDG/IATA:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Trilead bis(carbonate) dihydroxide)

14.3. Transport Hazard Classes

ADR Class:

9

Hazard no.:

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	<i>Classification code:</i>	M6
	<i>Tunnel restriction code:</i>	E
	<i>IMDG Class (sea):</i>	9
	<i>Hazard no.:</i>	9
	<i>EmS No.:</i>	F-A, S-F
	<i>IATA Class:</i>	9
	<i>Hazard no.:</i>	9
14. 4.	Packaging Group	
	<i>ADR/RID:</i>	III
	<i>IMDG:</i>	III
	<i>IATA:</i>	III
14. 5.	Environmental Hazards	
		<i>Labelling according 5.2.1.8 ADR/RID: fish and tree</i>
		<i>Labelling according 5.2.1.6.3 IMDG: fish and tree</i>
		<i>Labelled with "P" according 2.10 IMDG: yes</i>
14. 6.	Special Precautions for User	
		<i>Warning: various dangerous materials and products.</i>
14. 7.	Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code	
		<i>IMDG: not applicable</i>
14. 8.	Further Information	
		<i>Non hazardous goods (Class 9) when transported in sizes <= 5 l or <= 5 kg.</i>

15. Regulatory Information

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

Water hazard class:

3, very hazardous for water (German Regulation)

Local regulations on chemical accidents:

Environmentally hazardous (9a); Amount 1: 100 t; Amount 2: 200 t

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.

The employment restrictions for women in child-bearing age are to be observed (§§4 und 5 MuSchRiV).

Restriction and prohibition of application:

Not permitted for private consumers (Chemicals Prohibition Directive).

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 16

Restricted to professional users (TRSG 200, No. 6.9).

EC. REACH, Section XVII, Restrictions on the Manufacture,

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Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 28, 29, 30.

Use in paints restricted to artists colors and specific restoration work on historic buildings.

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

Category: E1: Hazardous to the aquatic environment - acute 1 or chronic 1; C9i: Very toxic for the environment

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.