

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

Identification of the Product

Product Name: Stearin
Article No.: 62500
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
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Emergency No.: +49 7565 914480, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Hazard designation: No labelling required.
Risk of dust explosion.

3. Composition/Information on Ingredients

Chemical Characterization: Palmitic/Stearic acid
CAS No. 67701-02-4
Mixture of palmitic and stearic acid.

4. First Aid Measures

After inhalation: No special measures required.
After skin contact: Wash off with plenty of water.
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.
After ingestion: Rinse mouth with water and drink plenty of water.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, carbon dioxide (CO₂), extinguishing powder, water jet.
Protective equipment: Use self-containing breathing apparatus.

6. Accidental Release Measures

Personal precautions: Avoid contact with eyes and skin.
Use respiratory protection.
Environmental precautions: Do not discharge into drains, surface or ground water.
Methods of cleaning/absorption: Take up mechanically.

7. Handling and Storage

Handling

Instructions on safe handling: Avoid dust formation.
Information on fire and explosion protection: Avoid accumulation of dust.
Risk of dust explosion.

Storage

Storage conditions: Store in tightly sealed containers in a dry room.
Maximum storage temperature: < 40°C.

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Use local exhaust ventilation in case of dust and/or fume formation.
Components with workplace control parameters (Germany): TWA-Value: 10 mg/m³ (8h) inhalable dust (average value)
TLV-Value: 3 mg/m³ (8h) airborne fraction (average value).

Personal protective equipment

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 the shift.
Respiratory protection: Dust mask.
Hand protection: Not required
Eye protection: Safety glasses
Body protection: Protective clothing.

9. Physical and Chemical Properties

Form: powder
Color: white
Odor: characteristic
Melting temperature: 54 - 56°C
Boiling temperature: 200 - 225°C
Flash point: > 190°C (ISO 2592)
Solubility in water: insoluble

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: No decomposition if used according to specifications.
Substances to be avoided: No information available.
Hazardous decomposition products: None known.

11. Toxicological Information

Acute toxicity
LD50, oral: > 5000 mg/kg
Primary effects
Irritant effect on skin: Non irritating
Irritant effect on eyes: Non-irritating to eyes
Mutagenicity: Not mutagenic.

12. Ecological Information

Revised edition: 13.02.2009

Elimination (Persistency and Degradability):	Readily biodegradable. BOD-Value: > 60 %.
<i>Ecological effects</i>	
Aquatic toxicity:	:
- Fish toxicity:	LC50: > 100 mg/l
- Bacteria toxicity:	EC0: > 100 mg/l
Further ecological effects:	Organic carbon (TOC): > 70%
<i>Further information</i>	
Water hazard class:	0

13. Disposal Considerations

Product: In accordance with current regulations, product may be taken to an incineration plant.

14. Transport Information

Further information: Not classified as a dangerous good under transport regulations.

15. Regulatory Information

Designation according to EC Guidelines: The material is not subject to classification according to EC lists.

Water hazard class: 0, not hazardous

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.