

# Material Safety Data Sheet

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



**62500 Stearin**

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Revised edition: 21.01.2015

Version: 2.0

Printed: 17.03.2015

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

### 1.1. Product Identifier

*Product Name:* Stearin

*Article No.:* 62500

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

*Identified uses:*  
Oleochemical raw material.

*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 EC Regulation 1272/2008*

*This product is not classified as hazardous according to the CLP/GHS Directive.*

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

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

*Safety Phrases:*

*Possible Environmental Effects:*

### 2.2. Label Elements

*Classification according to EC Regulation 1272/2008*

*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**

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2.3.

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## 3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

*Chemical Characterization:* Palmitic/Stearic acid. CAS 67701-02-4  
REACH Reg. No. 01-2119543709-29

*Hazardous Ingredients:*

*Additional information:*

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## 4. First Aid Measures

4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*No special measures required.*

*After skin contact:*

*Wash off with plenty of water.  
If irritation continues consult a physician.*

*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.*

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 further information available.*

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## 5. Fire-Fighting Measures

5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water jet.*

*Unsuitable extinguishing media:*

5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*No special hazards.*

5.3. Advice for Firefighters

*Protective equipment:*

*Wear suitable protective clothing.*

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*Further information:*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Avoid contact with eyes and skin.*

*Use respiratory protection.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Take up mechanically.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust.*

*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 room.*

*Maximum storage temperature: < 40°C.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Avoid accumulation of dust.*

*Do not store together with ignitable sources, heat and fire.*

*Storage class (VCI):*

*11; Combustible solids*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No further information available.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

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*Parameters to be controlled (EC):*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Use local exhaust ventilation in case of dust and/or fume formation.*

*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.*

*Respiratory protection:*

*Dust mask.*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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

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## 9. Physical and Chemical Properties

### 9.1. Information on Basic Physical and Chemical Properties

*Form:* powder

*Color:* white

*Odor:* characteristic

*Odor threshold:*  
No information available.

*pH-Value:*  
not available

*Melting temperature:* 54 - 56°C

*Boiling temperature:* 200 - 225°C

*Flash point:* > 190°C (ISO 2592)

*Evaporation rate:*  
No information available.

*Flammability (solid, gas):*

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*not available*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*No information available.*

*Density:*

*0.88 g/cm<sup>3</sup> (40°C)*

*Solubility in water:*

*insoluble*

*Coefficient of variation (n-Octanol/Water):*

*not determined*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not applicable*

*Oxidizing properties:*

*no information available*

*Bulk density:*

## 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No information available.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

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### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid dusting near sources of ignition.  
Avoid electrostatic charging.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*None if handled according to specifications.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral: > 5000 mg/kg (rat; OECD 401)*

*LD50, dermal: > 2000 mg/kg (rat; OECD 434)*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating  
Acute Dermal Irritation/Corrosion (Rabbit; 4h Exposition; OECD 404)*

*Irritant effect on eyes:*

*Non-irritating to eyes  
Acute Eye Irritation/Corrosion (Rabbit; Single Exposure; OECD 405)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Not sensitizing (guinea pig; OECD 406).*

*Mutagenicity:*

*Not mutagenic (OECD 471 Bacterial Reverse Mutation Test)  
In vitro Mammalian Chromosomal Aberration Test (OECD 473):  
negative  
In vitro Mammalian Cell Gene Mutation Test (OECD 476): negative*

*Reproductive toxicity:*

*No data available.*

*Carcinogenicity:*

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*No data available.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No data available.*

*Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*LC50: > 1000 mg/l (48h, Leuciscus idus; OECD 203)*

*Daphnia toxicity:*

*EC50: > 4.8 mg/l (48h, Daphnia magna; OECD 202)*

*Chronic toxicity, LOAEL: > 0.22 mg/l (21d, Daphnia magna; OECD 211)*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*NOEL: > 0.9 mg/l (72h, Pseudokirchnerella subcapitata; OECD 201)*

### 12.2. Persistency and Degradability

*> 90 % (28d); readily biodegradable (Method: OECD 301B)*

### 12.3. Bioaccumulation

*Bioconcentration factor (BCF): 238 - 288 (low)*

### 12.4. Mobility

*No information available.*

### 12.5. Results of PBT- und vPvP Assessment

*Not applicable.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled. Completely empty next page: 8*

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*packaging can be disposed of with the regular waste.*

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*Waste Code No.:*

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## 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 no.:*

*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

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## 15. Regulatory Information

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

*Water hazard class:*

*0, not hazardous*

*Local regulations on chemical accidents:*

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*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

5.2.1.: 100 %

## 15. 2. Chemical Safety Assessment

*This product contains substances for which a Chemical Safety Assessment is still required.*

## 15. 3. Further Information

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## 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.*