

# Safety Data Sheet

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



## 79200 Kremer Oil Paint Medium, fast drying

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Revised edition: 06.03.2017

Version: 1

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

#### 1.1. Product Identifier

*Product Name:* Kremer Oil Paint Medium, fast drying

*Article No.:* 79200

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

*Identified uses:*

*Restoration purposes*

*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

*E-Mail:* 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)*

*Flammable liquids, hazard category 1  
Skin irritation, hazard category 2  
Skin sensitization, hazard category 1  
Serious eye damage, hazard category 2  
Hazardous to the aquatic environment, acute category 3*

H225 Highly flammable liquid and vapour.

Cat.: 2

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

H319 Causes serious eye irritation.

Cat.: 2

H412 Harmful to aquatic life with long lasting effects.

Cat.: 3

*Possible Environmental Effects:*

#### 2.2. Label Elements

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

*Hazard designation:*

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GHS02-2



GHS07

Signal word:

Danger

Hazard designation:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

Safety designation:

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.

Hazardous components for labelling:

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Siccative (H302-317-318-360Fd)	< 2 %	CAS-Nr: EINECS-Nr: EC-Nr:
Turpentine oil (H226-302-304-312-315-317-319-332-411); REACH Reg. No. 01-2119553060-53-0007	< 15 %	CAS-Nr: (8006-64-2) EINECS-Nr: 932-349-8 (232-350-7) EC-Nr: 650-002-00-6
Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes (H225-304-315-411); REACH 01-2119473851-33-0000	< 15 %	CAS-Nr: 64742-49-0 EINECS-Nr: 920-750-0 EC-Nr:

Additional information:

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

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### General information:

*First aiders have to protect themselves.  
Take person away from hazardous area.  
Remove contaminated clothes immediately.*

#### After inhalation:

*Supply fresh air. If required give artificial respiration. Keep patient warm.  
Oxygen therapy in case of impaired breathing.  
In case of unconsciousness place patient stable in side position for transportation.*

#### After skin contact:

*Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.  
If symptoms persist, consult a physician.*

#### After eye contact:

*Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.*

#### After ingestion:

*Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.  
Risk of aspiration!  
In case of spontaneous vomiting, bring unconsciousness person in a stable side position.*

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

#### Symptoms:

*Headache, dizziness, nausea, tiredness, numbness, cramps, weakness, itchiness, reddened skin, disorder of the central nervous system.*

#### Effects:

*If vomiting occurs after ingestion, aspiration into the lungs can occur. Aspiration can cause pulmonary edema and pneumonia.*

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

#### Treatment:

*Treat symptomatically.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

#### Suitable extinguishing media:

*Water mist, extinguishing powder, foam, carbon dioxide.*

#### Unsuitable extinguishing media:

*Water with full jet.*

### 5.2. Special Hazards arising from the Substance or Mixture

#### Special hazards:

*Flammable liquid.  
Product floats on water surface and does not dissolve.  
The vapor is heavier than air, spreads along the ground and*

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*distant ignition is possible.  
In case of fire: formation of carbon oxides.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device and full protective gear.*

*Further information:*

*Cool exposed containers with water mist.  
Risk of bursting of closed containers due to strong heating.  
Collect contaminated extinguishing water and debris separately;  
avoid contamination of sewage system.*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Wear appropriate protective equipment. Keep spectators away.  
Provide adequate ventilation. Keep away from sources of ignition.  
Avoid contact with eyes and skin.  
Do not inhale aerosol/fumes/vapors.*

### 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:*

*Contain with absorbent material (sand, diatomaceous earth, acid binder, universal absorbent) and dispose accordingly.  
Dispose of contaminated material as waste according to section 13.*

### 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:*

*Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.  
Do not breathe vapors, aerosols.  
Avoid contact with eyes and skin.*

*Hygienic 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.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a cool and well ventilated location.*

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*Requirements for storage areas and containers:*

*Store in a room with a solvent-proof floor.*

*Information on fire and explosion protection:*

*Do not store together with: oxidants.*

*Combustible liquid.*

*Vapors may form an explosive mixture with air.*

*Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.*

*Storage class:*

*3; Flammable liquids (TRGS 510)*

*Further Information:*

*The product is slightly hazardous to water. Consider national regulations regarding handling and storage.*

### 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):*

*TRGS 900*

*C7-C9 Aliphatics: TWA 1500 mg/m<sup>3</sup>; 2(II)*

*Hydrocarbon mixture, used as solvent (free from additives).*

*Turpentine oil (CAS 8006-64-2): TWA: 8.2 mg/m<sup>3</sup>, 2 ppm (long-term value); 16.4 mg/m<sup>3</sup>, 4 ppm (short-term value)*

*2-Butanone oxime (CAS 96-29-7), TLV: 1 mg/m<sup>3</sup>, 0.3 ppm (long-term value); 8 mg/m<sup>3</sup>, 2.4 ppm (short-term value)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes:*

*773 mg/m<sup>3</sup> bw/d (worker, skin contact, long-term exposure - systemic effects)*

*2035 mg/m<sup>3</sup> (worker, inhalation, long-term exposure - systemic effects)*

*699 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)*

*608 mg/kg (consumer, inhalation, long-term exposure - systemic effects)*

*699 mg/kg bw/d (consumer, skin contact, long-term exposure - systemic effects)*

*Turpentine oil:*

*161 µg/cm<sup>2</sup> (worker, skin contact, short-term exposure)*

*5.98 mg/m<sup>3</sup> (worker, inhalation, long-term exposure)*

*81 µg/cm<sup>2</sup> (consumer, skin contact, short-term exposure)*

*0.31 mg/kg bw/d (consumer, swallowing, long-term exposure)*

*1.06 mg/m<sup>3</sup> (consumer, inhalation, long-term exposure - local*

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effects)

*Predicted No-Effect Concentration (PNEC):*

*Turpentine oil (CAS 8006-64-2):*

*Fresh water: 8.8 µg/l*

*Sea water: 0.88 µg/l*

*Fresh water sediment: 2.27 mg/kg dw*

*Sea water sediment: 0.227 mg/kg dw*

*Sewage treatment system (STP): 6.6 mg/l*

*Soil: 0.45 mg/kg*

*Oral (secondary poisoning): 1.35 mg/kg (feed)*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7 and 8.*

*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. Avoid contact with eyes and skin.*

*Respiratory protection:*

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

*Respirator mask required if ventilation is insufficient. Wear filter respirator in case of short-term or low exposure, and wear a self-contained breathing apparatus in case of long-term or higher exposure.*

*Hand protection:*

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

*Protective glove material:*

*Fluoro carbon rubber, nitrile rubber.*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing (flame-proof, antistatic).*

*Environmental precautions:*

*Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.*

## 9. Physical and Chemical Properties

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

*Form: liquid*

*Color: colorless*

*Odor: gasoline-like*

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<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>not applicable</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>not available</i>
<i>Flash point:</i>	<i>&lt; 10°C</i>
<i>Evaporation rate:</i>	<i>No information available.</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>no information available</i>
<i>Auto-ignition temperature:</i>	<i>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not determined</i>
<i>Explosive properties:</i>	<i>Product is not explosive; however, an explosive vapor/air mixture can be formed.</i>
<i>Oxidizing properties:</i>	<i>none</i>
<i>Bulk density:</i>	<i>not applicable</i>

### 9.2. Further Information

*Solubility in solvents:*

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*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

### 10. Stability and Reactivity

#### 10.1. Reactivity

*No decomposition if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Formation of explosive vapor-air-mixtures possible.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid contact with heat, sparks and open fire.*

*Thermal decomposition:*

*No further information available.*

#### 10.5. Incompatible Materials

*Strong oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*In case of fire: formation of carbon oxides.*

#### 10.7. Further Information

### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: > 2000 mg/kg (rat; OECD 401)*

*Turpentine oil: 3956 mg/kg (rat)*

*LD50, dermal:*

*Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: > 2800 mg/kg (rabbit; OECD 402)*

*Turpentine oil: > 2000 mg/kg (rabbit)*

*LC50, inhalation:*

*Hydrocarbons, C7, n-Alkanes, Isoalkanes, Cyclenes: > 23.3 mg/kg (4h, rat; OECD 403)*

*Turpentine oil: 13.7 mg/l (4h, rat; OECD 403); 29 mg/l (2h, mouse; OECD 403)*

*Primary effects*

*Irritant effect on skin:*

*Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes; slight*

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	<i>irritant effect</i> <i>Turpentine oil: irritating (rabbit)</i>
<i>Irritant effect on eyes:</i>	<i>Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: non irritating</i> <i>Turpentine oil: irritating (rabbit)</i>
<i>Inhalation:</i>	<i>No information available.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>Turpentine oil: May cause an allergic skin reaction.</i>
<i>Mutagenicity:</i>	<i>No relevant data found.</i>
<i>Reproductive toxicity:</i>	<i>No relevant data found.</i>
<i>Carcinogenicity:</i>	<i>No relevant data found.</i>
<i>Teratogenicity:</i>	<i>No information available.</i>
<i>Specific target organ toxicity (STOT):</i>	<i>Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: Category 3, with narcotic effects</i> <i>Single exposure: may cause drowsiness or dizziness.</i> <i>Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.</i>
<i>Additional toxicological information:</i>	<i>Hydrocarbons, C7-C9, n-Alkanes, Isoalkanes, Cyclenes: May be fatal if swallowed and enters airways.</i> <i>Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis. Product is irritating, respectively, caustic for the respiratory tract.</i> <i>Turpentine oil:</i> <i>Aspiration toxicity: may be fatal if swallowed and enters airways.</i> <i>May cause an allergic skin reaction.</i>

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: LL50: > 13.4 mg/l (96h, Oncorhynchus mykiss)*

*Daphnia toxicity:*

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: EL50: 3 mg/l (48h, Daphnia magna)*

*Turpentine oil: EC50: 14.1 mg/l*

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### *Bacteria toxicity:*

*Turpentine oil: EC50: 736 mg/l (3h, aquatic microorganisms; OECD 209)*

### *Algae toxicity:*

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes: EL50: 10-30 mg/l (72h, Pseudokirchneriella subcapitata)  
NOELR: 10 mg/l (72h, Pseudokirchneriella subcapitata)*

## 12.2. Persistency and Degradability

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes:  
Readily biodegradable.*

*The product floats on the water surface and does not dissolve.*

*Oxidizes rapidly by photo-chemical reactions in air.*

*The product evaporates easily from water surface.*

*Turpentine oil: > 80 % (28d); Readily biodegradable (OECD 301E)*

## 12.3. Bioaccumulation

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes:*

*Turpentine oil: An appreciate bioaccumulation potential is to be expected (log P(o/w) > 3).*

## 12.4. Mobility

*Hydrocarbons, C7-C9 n-Alkanes, Isoalkanes, Cyclenes:*

*Product is readily volatile.*

## 12.5. Results of PBT- und vPvP Assessment

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

## 12.6. Other Adverse Effects

### *Water hazard class:*

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

### *Behaviour in sewage systems:*

### *Further ecological effects:*

*May cause long-term adverse effects in the aquatic environment.*

### *AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

#### *Product:*

*Must not be disposed together with household garbage.*

*Do not let product enter water systems.*

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

#### *European Waste Code (EWC):*

#### *Uncleaned packaging:*

*Empty container completely. Residues may cause an explosion hazard.*

*Empty containers should be taken to an approved waste handling*

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*site for recycling or disposal.*

*Waste Code No.:*

### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA* 1263

#### 14.2. UN Proper Shipping Name

*ADR/RID:* FARBE

*IMDG/IATA:* PAINT

#### 14.3. Transport Hazard Classes

*ADR Class:* 3

*Hazard no.:* 3

*Classification code:* F1

*Tunnel restriction code:* D/E

*IMDG Class (sea):* 3

*Hazard no.:* 3

*EmS No.:* F-E, S-E

*IATA Class:* 3

*Hazard no.:* 3

#### 14.4. Packaging Group

*ADR/RID:* II

*IMDG:* II

*IATA:* II

#### 14.5. Environmental Hazards

*Labelling according 5.2.1.6.3 IMDG: fish and tree*

*Labelling according 5.2.1.8 ADR/RID: fish and tree*

*Classification as environmentally hazardous according 2.9.3*

*IMDG: yes*

*Labelled with "P" according 2.10 IMDG: yes*

#### 14.6. Special Precautions for User

*not applicable*

#### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

*IMDG: 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:*

*2, hazardous for water (German Regulation)*

*Local regulations on chemical accidents:*

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### *Employment restrictions:*

*The employment restrictions for young workers in accordance with the Youth Employment Protection Law (§ 22 JArbSchG) are to be observed.*

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

### *Restriction and prohibition of application:*

### *Technical instructions on air quality:*

#### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has been carried out for the component substances contained in this product.*

#### 15.3. Further Information

*VOC Content: 54 %*

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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.*