

# Material Safety Data Sheet

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



## 60450 Shellac, very light

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Revised edition: 30.07.2007

Version: 1

Printed: 12.03.2014

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

#### 1.1. Product Identifier

*Product Name:* Shellac, very light

*Article No.:* 60450

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

*Identified uses:*

Surface finish, binding agent, glue, food additive (coating, glazing, anti-sticking agent)

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet

*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

#### 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:*

#### 2.3. Other Hazards

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Natural resin, animal origin, decolorized and wax-free. CAS No. 9000-59-3; EINECS 232-549-9

*Hazardous Ingredients:*

*Additional information:*

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### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Remove contaminated clothes.*

*After inhalation:*

*No special measures required.*

*After skin contact:*

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.*

*After eye contact:*

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

*After ingestion:*

*Rinse mouth with plenty of water and consult 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.*

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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:*

*Water with full jet.*

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

*Special hazards:*

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

#### 5.3. Advice for Firefighters

*Protective equipment:*

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*No special measures required.*

*Further information:*

*Cool exposed containers with water spray.  
Contaminated extinguishing water and debris should be disposed  
of according to local regulations.*

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### 6. Accidental Release Measures

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

*Personal precautions:*

*No special measures required.*

#### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soil, drains and surface waters.*

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

*Methods and material:*

*Take up mechanically and collect in suitable containers for  
disposal.*

#### 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.*

*Avoid contact with eyes.*

*Hygienic measures:*

*No further measures, see Section 8.*

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

*Storage conditions:*

*Store at room temperature.*

*Requirements for storage areas and  
containers:*

*No special measures necessary.*

*Information on fire and explosion  
protection:*

*Keep away from sources of ignition - do not smoke.*

*Storage class (VCI):*

*11; Combustible solids*

*Further Information:*

#### 7.3. Specific End Use(s)

*Further information:*

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### 8. Exposure Controls/Personal Protection

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### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*none known*

*Parameters to be controlled (EC):*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation.*

*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:*

*Not required.*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Butyl or nitrile rubber.  
Neoprene.*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

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## 9. Physical and Chemical Properties

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

*Form: solid*

*Color: bright yellow*

*Odor: odorless*

*Odor threshold:*

*No information available.*

*pH-Value:*

*not available*

*Melting temperature:*

*65 - 70°C*

*Boiling temperature:*

*not determined*

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<i>Flash point:</i>	> 300°C
<i>Evaporation rate:</i>	No information available.
<i>Flammability (solid, gas):</i>	not available
<i>Upper explosion limit:</i>	no information available
<i>Lower explosion limit:</i>	no information available
<i>Vapor pressure:</i>	not determined
<i>Vapor density:</i>	No information available.
<i>Density:</i>	
<i>Solubility in water:</i>	insoluble
<i>Coefficient of variation (n-Octanol/Water):</i>	not determined
<i>Auto-ignition temperature:</i>	not applicable
<i>Decomposition temperature:</i>	No data available.
<i>Viscosity, dynamic:</i>	not available
<i>Explosive properties:</i>	not available
<i>Oxidizing properties:</i>	no information available
<i>Bulk density:</i>	ca. 400 kg/m <sup>3</sup>

### 9.2. Further Information

<i>Solubility in solvents:</i>	alcohol (e.g. ethanol, isopropyl alcohol)
<i>Viscosity, kinematic</i>	
<i>Burning class:</i>	
<i>Solvent content:</i>	< 1% (ethanol)
<i>Solid content:</i>	
<i>Particle size:</i>	
<i>Other information:</i>	

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### 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

*Unknown.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

*No further information available.*

#### 10.5. Incompatible Materials

*No information available.*

#### 10.6. Hazardous Decomposition Products

*None if stored and 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)*

*LD50, dermal: > 10000 mg/kg (rabbit)*

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*Slight irritant effect*

*Inhalation:*

*Non irritating.*

*Ingestion:*

*No information available*

*Sensitization:*

*Not known.*

*Mutagenicity:*

*No data available.*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

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*No data available.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No data available.*

*Additional toxicological information:*

*No health impairments known or expected when used according to specifications.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*EC50: > 500 mg/l (24h, Daphnia magna)*

*Bacteria toxicity:*

*no information available*

*Algae toxicity:*

*EC50: > 400 mg/l (24h)*

### 12.2. Persistency and Degradability

*34 % (28d); biodegradable (OECD 301E)*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No data available.*

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

*No data available.*

### 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:*

*VOC: < 1%*

*AOX Value:*

*Product does not contain any organically bound halogen.*

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## 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.*

*European Waste Code (EWC):*

*080112 - Wastes from the manufacture, formulation, supply and 8*

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*use (MFSU) of coatings (paints, varnishes and vitreous enamels), sealants and printing inks.*

*Uncleaned packaging:*

*Uncontaminated packaging may be recycled.*

*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

*not applicable*

#### 14.8. Further Information

*Not classified as a dangerous good under transport regulations.*

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### 15. Regulatory Information



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

*Water hazard class:*

*1, slightly hazardous for water*

*Local regulations on chemical accidents:*

*Not listed.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15. 2. Chemical Safety Assessment

*No information available.*

### 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.*