

# Safety Data Sheet

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



## 79350 Mastic Varnish, UV Stabilized

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Revised edition: 05.07.2019

Version: 1

Printed: 03.06.2020

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

#### 1.1. Product Identifier

*Product Name:* Mastic Varnish, UV Stabilized

*Article No.:* 79350

#### 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 3  
Acute toxicity (oral), hazard category 4  
Acute toxicity (dermal), hazard category 4  
Skin irritation, hazard category 2  
Skin sensitization, hazard category 1  
Acute toxicity (inhalation), hazard category 4  
Eye irritation, hazard category 2  
Chronic aquatic toxicity, hazard category 2

H226 Flammable liquid and vapour.

Cat.: 3

H302+H312 Harmful if swallowed or in contact with skin.

Cat.: 4

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

H319 Causes serious eye irritation.

Cat.: 2

H332 Harmful if inhaled.

Cat.: 4

H411 Toxic to aquatic life with long lasting effects.

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Cat.: 2

*Possible Environmental Effects:*

See Section 12.

### 2.2. Label Elements

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

*Hazard designation:*



GHS02-1



GHS07



GHS09

*Signal word:*

Warning

*Hazard designation:*

H226	Flammable liquid and vapour.
H302+H312	Harmful if swallowed or in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

*Safety designation:*

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P273	Avoid release to the environment.
P301+P310	If swallowed: Immediately call a poison center or physician.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P331	Do not induce vomiting.

*Hazardous components for labelling:*

Turpentine, oil

### 2.3. Other Hazards

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*Chemical Characterization:*

Resin solution.  
Contains about 40 % mastic (CAS No. 61789-92-2, EINECS 263-098-6)

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### Information on Components / Hazardous

#### Ingredients:

Turpentine oil (H226-302-304-312-315-317-319-332-411); REACH Reg. No. 01-2119553060-53-0007	55-60 %	CAS-Nr: (8006-64-2) EINECS-Nr: 932-349-8 (232-350-7) EC-Nr: 650-002-00-6
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#### Additional information:

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

#### General information:

*Remove contaminated clothes immediately.  
Take person away from hazardous area.  
Intoxication symptoms may occur after several hours, therefore a 48 hour medical observation is necessary.  
Consult physician.*

#### After inhalation:

*Supply fresh air. If required give artificial respiration. In case of complaints or unconsciousness consult a physician. In case of unconsciousness place patient stable in side position for transportation.*

#### After skin contact:

*Wash off with plenty of water and soap. Consult a physician if irritation persists.*

#### After eye contact:

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

#### After ingestion:

*Rinse mouth with plenty of water and consult physician.  
Do not induce vomiting.*

### 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:

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

#### Unsuitable extinguishing media:

*Water with full jet.*

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

*Special hazards:*

*In case of fire: formation of carbon oxides.  
Flammable.  
Fumes can form an explosive mixture with air.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.  
Wear suitable protective clothing.*

*Further information:*

*Cool closed containers exposed to fire with water mist.  
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 protective clothing.  
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 non-flammable absorbent material (e.g. sand, diatomaceous earth, vermiculite) 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:*

*Avoid contact with eyes and skin.  
The usual precautionary measures are to be adhered to when handling chemicals.  
Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care.*

*Hygienic measures:*

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

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*A nearby eyewash facility should be available for emergencies.*

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

#### *Storage conditions:*

*Store the product in the original tightly sealed containers in a dry and cool place.*

*Protect against heat.*

#### *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 combustible and self-ignitable products.*

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

*Dust may form an explosive mixture with air.*

*Combustible liquid.*

*Vapors may form an explosive mixture with air. Vapor is heavier than air and spreads along the ground.*

#### *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.*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

#### *Parameters to be controlled (DE):*

*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)*

#### *Parameters to be controlled:*

#### *Derived No-Effect Level (DNEL):*

##### *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 effects)*

#### *Predicted No-Effect Concentration (PNEC):*

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

*Fresh water: 8.8 µg/l*

*Sea water: 0.88 µg/l*

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*Fresh water sediment: 2.27 mg/kg dw*  
*Sea water sediment: 0.227 mg/kg dw*  
*Oral (secondary poisoning): 1.35 mg/kg (feed)*  
*Sewage treatment system (STP): 6.6 mg/l*  
*Soil: 0.45 mg/kg*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Ensure adequate ventilation, especially in confined areas.*  
*Facilities storing or utilizing this material should be equipped with an eyewash facility.*

*Personal Protection*

*General protective measures:*

*Remove contaminated clothing immediately.*  
*Do not inhale gas/fumes/vapor/aerosol.*  
*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:*

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

*Hand protection:*

*Protective gloves*  
*The manufacturer's directions for use should be observed because of the great diversity of types.*

*Protective glove material:*

*Nitrile rubber (480 min, 0.35 mm)*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing, chemical resistant.*

*Environmental precautions:*

*Prevent contamination of open water ways and sewage system.*  
*Avoid contamination of ground water.*  
*Contact local authorities if large spillages cannot be contained.*

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## 9. Physical and Chemical Properties

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

*Form: liquid*

*Color: clear, yellowish*

*Odor: like turpentine*

*Odor threshold:*

*No information available.*

*pH-Value:*

*not applicable*

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*Melting temperature:*

*not available*

*Boiling temperature:*

*not available*

*Flash point:*

*> 23°C*

*Evaporation rate:*

*No information available.*

*Flammability (solid, gas):*

*not applicable*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*No information available.*

*Density:*

*not available*

*Solubility in water:*

*practically insoluble*

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

*no information available*

*Auto-ignition temperature:*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not available*

*Explosive properties:*

*Product is not explosive; however, an explosive vapor/air mixture can be formed.*

*Oxidizing properties:*

*none*

*Bulk density:*

*not determined*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

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*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

*No decomposition if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*Incompatible with strong oxidizing agents.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

*No data available.*

#### 10.5. Incompatible Materials

*Oxidizing agents.*

#### 10.6. Hazardous Decomposition Products

*Carbon monoxide, carbon dioxide and hydrocarbons.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

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

*LD50, dermal:*

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

*LC50, inhalation:*

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

*Primary effects*

*Irritant effect on skin:*

*Turpentine oil: irritating (rabbit)*

*Irritant effect on eyes:*

*Turpentine oil: irritating (rabbit)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

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*Turpentine oil: May cause an allergic skin reaction.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Turpentine oil:  
Aspiration toxicity: may be fatal if swallowed and enters airways.  
May cause an allergic skin reaction.  
Harmful. Irritating.  
Risk of skin absorption.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*Turpentine oil: EC50: 14.1 mg/l*

*Bacteria toxicity:*

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

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

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

### 12.3. Bioaccumulation

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

### 12.4. Mobility

*No information available.*

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

*This product is neither a PBT or vPvB substance nor does it contain a PBT or vPvB substance.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*2 (German Regulation) (Assessment by list): hazardous.*

*Behaviour in sewage systems:*

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### Further ecological effects:

*May cause long-term adverse effects in the aquatic environment.  
Prevent product from entering surface water and drains.  
The data is based on the solvent contained.*

### AOX Value:

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

#### Product:

*Must be treated as toxic waste according to local laws and regulations.  
Must not be disposed together with household garbage.*

#### European Waste Code (EWC):

#### Uncleaned packaging:

*Drain container thoroughly. After draining, vent in a safe place away from sparks and fire.*

#### 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: III

IMDG: III

IATA: III

### 14.5. Environmental Hazards

*Labelling according 5.2.1.8 ADR/RID: fish and tree  
Labelling according 5.2.1.6.3 IMDG: fish and tree*

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*Classification as environmentally hazardous according 2.9.3*

*IMDG: yes*

*Labelled with "P" according 2.10 IMDG: no*

**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**

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### 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:*

*Employment restrictions:*

*The employment restrictions for expectant and nursing mothers, and for young workers are to be observed.*

*Restriction and prohibition of application:*

*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**

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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.*