

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 1

Revised edition: 31.03.2016

Version: 1

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

#### 1.1. Product Identifier

Product Name: Polishing Oil for Shellac Finish

Article No.: 79640

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

Identified uses:

No information available.

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

EMail: 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

Flammable liquids, category 3  
Skin irritation, category 2  
Skin sensitization, hazard category 1  
Hazardous to the aquatic environment, chronic category 1

H226 Flammable liquid and vapour.

Cat.: 3

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

H410 Very toxic to aquatic life with long lasting effects.

Cat.: 1

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

R10 Flammable.

Irritating (Xi) R38 Irritating to skin.

Irritating (Xi) R43 May cause sensitization by skin contact.

Hazardous to the environment (N) R50 Very toxic to aquatic organisms.

R53 May cause long-term adverse effects in the aquatic environment.

Harmful (Xn) R65 Harmful: May cause lung damage if swallowed.

Safety Phrases:

next page: 2

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 2

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

*Possible Environmental Effects:*

See Section 12.

### 2.2. Label Elements

*Classification according to EC Regulation 1272/2008*

*Hazard designation:*



GHS02-1



GHS07



GHS09

*Signal word:*

Warning

*Hazard designation:*

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
EUH208	May produce an allergic reaction.

*Safety designation:*

P210	Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container according to regional, national and international regulations.

*Hazardous components for labelling:*

Orange, sweet, extract

### 2.3. Other Hazards

No information available.

## 3. Composition/Information on Ingredients

### 3.1. Substance

### 3.2. Mixture

*This produkt is a mxiture.*

next page: 3

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 3

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

### Chemical Characterization:

#### Hazardous Ingredients:

Citrus turpentine (Xn,N; R10-38-43-50/53-65; H226-304-315-317-400-410); REACH Reg.-No. 01-2119493353-35-xxxx	60 %	CAS-Nr: 8028-48-6 EINECS-Nr: 232-433-8 EC-Nr:
Essential oil (H304-315-317-411)	20 %	CAS-Nr: 90063-37-9 EINECS-Nr: 289-995-2 EC-Nr:

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### Additional information:

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## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

#### General information:

*Take person away from hazardous area.  
Remove contaminated clothes immediately.*

#### After inhalation:

*Supply fresh air. Consult physician if symptoms persist.  
In case of unconsciousness place patient stable in side position for transportation.  
Oxygen therapy in case of impaired breathing.*

#### After skin contact:

*Remove contaminated clothing. Wash off immediately with plenty of water and soap.  
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.  
Do not induce vomiting. Consult physician immediately.  
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:

*Skin contact: causes skin irritation. Can cause allergic skin reactions.*

#### Effects:

### 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:

next page: 4

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 4

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

*Water mist, extinguishing powder, foam, carbon dioxide.  
Fight larger fire with water jet or alcohol resistant foam.*

*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, toxic gases/vapors.  
Flammable liquid.  
Fumes can form an explosive mixture with air.*

### 5.3. Advice for Firefighters

*Protective equipment:*

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

*Further information:*

*Avoid contamination of sewage system, open water ways and ground water.  
Cool exposed containers with water mist.*

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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:*

*Larger amounts should be pumped into adequate containers.  
Contain with absorbent material (sand, diatomaceous earth, universal absorbent, Oil Dri) and dispose accordingly.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.  
See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Keep containers tightly closed.  
Provide adequate ventilation.  
Avoid contact with eyes and skin.*

*Hygienic measures:*

next page: 5

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 5

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

*Take off contaminated clothing immediately.*

*Do not inhale gas/fumes/vapours/aerosols.*

*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 containers in a well ventilated location.*

*Store in tightly sealed containers in a dry and cool room.*

*Protect against heat.*

*Requirements for storage areas and containers:*

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

*Information on fire and explosion protection:*

*Combustible liquid.*

*Do not store together with: oxidants.*

*Vapors may form an explosive mixture with air.*

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

*Fire class: flammable and fast burning: 21°C = Flp < 55°C*

*Storage class (VCI):*

*3: Flammable liquids*

*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):*

*none known*

*Parameters to be controlled:*

*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:*

*Remove contaminated clothing immediately.*

next page: 6

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 6

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

*Do not inhale gas/fumes/vapor/aerosol.*

*Avoid contact with eyes and skin.*

*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 combination type A-P2.*

*Hand protection:*

*Protective gloves*

*Protective gloves should be changed regularly, especially after intensive contact with the product.*

*Each work area must have adequate protective gloves.*

*Protective glove material:*

*Nitrile rubber*

*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

*Odor:* orange-like

*Odor threshold:*  
*No information available.*

*pH-Value:*  
*not available*

*Melting temperature:*  
*not available*

*Boiling temperature:*

*Flash point:* < 60°C

*Evaporation rate:*  
*No information available.*

*Flammability (solid, gas):*  
*not applicable*

*Upper explosion limit:*  
*no information available*

*Lower explosion limit:*

next page: 7

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 7

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

*no information available*

*Vapor pressure:*

*not determined*

*Vapor density:*

*No information available.*

*Density:*

*Solubility in water:*

*practically insoluble*

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

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*Explosive properties:*

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

*Oxidizing properties:*

*none*

*Bulk density:*

*not applicable*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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## 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.*

*Spontaneous ignition is possible after contact mit contaminated clothes, textiles or similar materials.*

### 10.4. Conditions to Avoid

next page: 8

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 8

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

### *Conditions to avoid:*

*Avoid heat, open fire and other ignition sources.  
Avoid direct sunlight.*

### *Thermal decomposition:*

*No data available.*

### 10.5. Incompatible Materials

*Strong acids, strong bases and strong oxidizing agents.*

### 10.6. Hazardous Decomposition Products

*In case of fire: formation of carbon oxides and other toxic gases and vapors.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

#### *Acute Toxicity*

#### *LD50, oral:*

*Citrus turpentine (8028-48-6): LD50: > 5000 mg/kg (rat)*

#### *LD50, dermal:*

*Citrus turpentine (8028-48-6): LD50: > 5000 mg/kg (rabbit)*

#### *LC50, inhalation:*

*No information available.*

#### *Primary effects*

#### *Irritant effect on skin:*

*Citrus turpentine: causes skin and mucous membrane irritation (OECD 404)*

#### *Irritant effect on eyes:*

*Citrus turpentine: slight irritant effect possible.*

#### *Inhalation:*

*No information available.*

#### *Ingestion:*

*Citrus turpentine: Small amounts which can intrude the lungs after swallowing or by aspiration after vomiting, can cause a pulmonary edema or pneumonia.*

#### *Sensitization:*

*May cause sensitization by skin contact.*

#### *Mutagenicity:*

*Does not contain any component classified as mutagenic.*

#### *Reproductive toxicity:*

*Does not contain any component classified as toxic for reproduction.*

#### *Cancerogenicity:*

*Does not contain any component classified as carcinogenic.*

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 9

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

### *Teratogenicity:*

*No information available.*

### *Specific target organ toxicity (STOT):*

*Single exposure: the substance or mixture is not classified as specific target organ toxicant.*

*Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.*

### *Additional toxicological information:*

*Repeated or long-term contact with the product can cause drying of the skin.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

#### *Fish toxicity:*

*Citrus turpentine: LC50: 0.7 mg (96h, Pimephales promelas; OECD 203)*

#### *Daphnia toxicity:*

*Citrus turpentine: EC50: 0.67 mg/l (48h, Daphnia magna; OECD 202)*

#### *Bacteria toxicity:*

*not determined*

#### *Algae toxicity:*

*Citrus turpentine: ErC50: 150 mg/l (72h, Desmodesmus subspicatus; OECD 201)*

### 12.2. Persistency and Degradability

*Citrus turpentine: 72 - 83.4 % (28d); readily biodegradable (Method: OECD 301B)*

### 12.3. Bioaccumulation

*Citrus turpentine: bioconcentration factor (BCF): 32 - 156*

### 12.4. Mobility

*Citrus turpentine: logKow: >= 4*

### 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:*

*1, slightly hazardous.*

#### *Behaviour in sewage systems:*

#### *Further ecological effects:*

*Do not let product enter waterways or sewage system.  
Very toxic for water organisms.*

#### *AOX Value:*

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## 13. Disposal Considerations

next page: 10

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 10

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

### 13.1. Waste Treatment Methods

*Product:*

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

*European Waste Code (EWC):*

*The waste code must be determined together with the regional disposal service.*

*Uncleaned packaging:*

*Do not puncture, cut or weld uncleaned drums. Risk of explosion.  
Dispose of according to official local regulations.*

*Waste Code No.:*

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### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA* 2319

#### 14.2. UN Proper Shipping Name

*ADR/RID:* TERPENKOHLENWASSERSTOFFE, N.A.G. (Citrusterpene)

*IMDG/IATA:* TERPENE HYDROCARBONS, N.O.S. (Orange terpene)

#### 14.3. Transport Hazard Classes

*ADR Class:* 3

*Hazard no.:* 3

*Classification code:* F1

*Tunnel no.:* D/E

*IMDG Class (sea):* 3

*Hazard no.:* 3

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

*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*

*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*

next page: 11

# Material Safety Data Sheet

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



## 79640 Polishing Oil for Shellac Finish

Page 11

Revised edition: 31.03.2016

Version: 1

Printed: 31.03.2016

---

### 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:*

*1, slightly hazardous for water*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*The employment restrictions for young workers in accordance with the Youth Employment Protection Law (94/33/EC) are to be observed.*

*The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline (94/85/EEC) are to be observed.*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*No information available.*

### 15.3. Further Information

*Orange, sweet, extract:*

*Regulation (EC) 1451/2007 (Biocides), Annex I, Active substance identified as existing (OJ (L 325)). Registered EC number: 232-433-8*

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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.*