# O60453 Shellac Polish, transparent



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

**1. 1. Product Identifier**

| | |
|---|---|
| *Product Name:* | *Shellac Polish, transparent* |
| *Article No.:* | *O60453* |
| *UFI:* | *--* |

**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:* | *Interlabshop BV* |
| *Address:* | *Lage Brink 23, 7317BD Apeldoorn The Netherlands* |
| *Tel./Fax.:* | *+31(0)55-5215016* |
| *Internet:* | *www.labshop.nl* |
| *EMail:* | *labshop@labshop.nl* |
| *Importer:* | *--* |

**1. 4. Emergency No.**

| | |
|---|---|
| *Emergency No.:* | *+31(0)55-5215016 (Mon-Fri 8:30 - 17:30)* |

**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*
*Eye irritation, hazard category 2*
*Narcotic effects*

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| Cat.: 3 | |
| H319 | Causes serious eye irritation. |
| Cat.: 2 | |
| H336 | May cause drowsiness or dizziness. |
| Cat.: 3 | |

*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

*Signal word:*

Warning

*Hazard designation:*

| | |
|---|---|
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |

*Safety designation:*

| | |
|---|---|
| P210 | Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. |
| P243 | Take precautionary measures against static discharge. |
| P305+P351+P338 | If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/ attention. |

*Hazardous components for labelling:*

**2. 3. Other Hazards**

*No information available.*

## 3. Composition/Information on Ingredients

**3. 1. Substance**

**3. 2. Mixture**

*Chemical Characterization:* *Natural resin, animal origin, decolorized and wax-free. Mixture of the following substances.*

*Information on Components / Hazardous Ingredients:*

| | | |
|---|---|---|
| Ethanol (H225-319); REACH Reg. No. 01-2119457610-43 | 70 - 75 % | CAS-Nr: 64-17-5<br>EINECS-Nr: 200-578-6<br>EC-Nr: 603-002-00-5 |
| Propan-2-ol (H225-319-336); REACH-Nr. 01-2119457558-25-xxxx | 7 - 10 % | CAS-Nr: 67-63-0<br>EINECS-Nr: 200-661-7<br>EC-Nr: 603-117-00-0 |
| Shellac, natural resin | 10 - 15 % | CAS-Nr: 9000-59-3<br>EINECS-Nr: 232-549-9<br>EC-Nr: |
| Hydrocarbons, C11-C12, Isoalkanes, < 2 % Aromatics (H226-304-413); REACH Reg. No. 01-2119472146-39-xxxx | 1 - 5 % | CAS-Nr:<br>EINECS-Nr: 918-167-1<br>EC-Nr: |

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*Additional information:*

## 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. If required give artificial respiration. Keep patient warm.*
*Give artificial respiration in case breathing is not regular or if it has stopped.*
*In case of unconsciousness place patient stable in side position for transportation.*
*If breathing is difficult call a physician.*

*After skin contact:*

*Remove contaminated clothing.*
*Wash off with plenty of water. Consult a physician if irritation persists.*

*After eye contact:*

*Rinse open eyes with plenty of water for at least 15 minutes.*
*Consult a physician immediately.*

*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:*

*Depending on the absorbed concentrations different states of intoxication is reached after an euphoric stage. Further symptoms are loss of self-control, dizziness, vomiting.*

*Effects:*

*Can cause liver damage.*
*Causes depression of the central nervous system.*
*Prolonged/repeated contact may cause skin irritation and/or dermatitis.*

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

*Treatment:*

*Treat symptomatically.*

## 5. Fire-Fighting Measures

### 5. 1. Extinguishing Media

*Suitable extinguishing media:*

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

*Unsuitable extinguishing media:*

*Never apply a strong water jet.*

**5. 2. Special Hazards arising from the Substance or Mixture**

*Special hazards:*

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

**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.*
*Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.*

## 6. Accidential 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 skin and eyes. Do not ingest or inhale.*
*Do not inhale aerosol/fumes/vapors.*

**6. 2. Environmental Precautions**

*Environmental precautions:*

*Do not discharge into drains, surface or ground water in concentrated form.*
*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, universal absorbent, Oil Dri) and dispose accordingly.*

**6. 4. Reference to other Sections**

*Protective clothing, see Section 8.*

## 7. Handling and Storage

**7. 1. Precautions for Safe Handling**

*Instructions on safe handling:*

*Keep containers tightly closed.*
*Provide adequate ventilation, also in floor area (vapors are heavier than air).*

*Hygienic measures:*

*Take off contaminated clothing immediately.*
*Do not inhale gas/fumes/vapours/aerosols.*
*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.*

**7. 2. Conditions for Safe Storage, including any Incompatibilities**

*Storage conditions:*

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

*Floor must be solvent resistant and leakproof.*

*Requirements for storage areas and containers:*

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

*Information on fire and explosion protection:*

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

*Combustible liquid.*

*Vapors may form an explosive mixture with air.*

*Cool exposed containers with water.*

*Use only in explosion protective area. Extinguish any naked flames. No not smoke. Remove ignition sources. Avoid sparks. Ensure electrical continuity by bonding and grounding (earthing) all equipment.*

*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):*

*Ethanol (CAS 64-17-5): TLV: Short-term value: 800 ppm, 1520 mg/m3; Long-term value: 200 ppm, 380 mg/m3*

*TLV: 960 mg/m3, 500 ml/m3; 2(II); DFG, Y*

*Propanol (CAS 67-63-0), TRGS 900: 500 mg/m3, 200 ppm (2)*

*Hydrocarbons, C11-C12, Isoalkanes, <2% Aromatics: TWA 600 mg/m3*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Ethanol (CAS 64-17-5):*

*1900 mg/m3 (worker, inhalation, short-term exposure - local effect)*

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

*950 mg/m3 (worker, inhalation, long-term exposure - systemic); (consumer, inhalation; short-term exposure - local)*

*206 mg/kg bw/d (consumer, skin contact, long-term exposure -*

*systemic)*
*114 mg/kg (consumer, inhalation, long-term exposure - systemic)*
*87 mg/kg bw/d (consumer, swallowing, long-term exposure - systemic)*
*Propanol (67-63-0):*
*888 mg/kg (1d, worker, skin contact, long-term exposure)*
*500 mg/m3 (worker, inhalation, long-term exposure)*
*319 mg/kg (1d, consumer, skin contact, long-term exposure)*
*89 mg/m3 (consumer, inhalation, long-term exposure)*
*26 mg/kg (1d, consumer, swallowing, long-term exposure)*

*Predicted No-Effect Concentration (PNEC):*

*Ethanol (CAS 64-17-5):*
*Fresh water: 0.96 mg/l*
*Seawater: 0.79 mg/l*
*Fresh water sediment: 3.6 mg/kg*
*Seawater sediment: 2.9 mg/kg*
*Sporadic release: 2.75 mg/l*
*Sewage treatment system (STP): 580 mg/l*
*Soil: 0.3 mg/kg*
*Propanol (67-63-0):*
*Fresh water: 140.9 mg/l*
*Seawater: 140.9 mg/l*
*Fresh water sediment: 552 mg/kg*
*Sporadic release: 140.9 mg/l*
*Sewage treatment system (STP): 2251 mg/kg*
*Soil: 28 mg/kg*
*Secondary poisoning based on foodstuffs: 160 mg/kg*

*Additional Information:*

**8. 2. Exposure Controls**

*Technical protective measures:*

*Adequate ventilation to control airborne concentrations below the exposure limits.*

*Personal Protection*

*General protective measures:*

*Remove contaminated clothing immediately.*
*Avoid contact with skin and avoid inhalation of vapour. Do not eat, drink or smoke while working.*

*Respiratory protection:*

*Required in case of insufficient ventilation (EN 143 or 149).*
*Recommended: composite filter A-P2 (EN 141)*

*Hand protection:*

*Solvent resistant protective gloves.*
*The manufacturer´s directions for use should be observed because of the great diversity of types.*

*Protective glove material:*

*Butyl rubber (> 480 min; 0.5 mm).*

*Fluoro carbon rubber - FKM (> 480 min; 0.4 mm).*

*Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

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

*Environmental precautions:*

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

*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:* | *alcohol-like* |
| *Odor threshold:* | *no information available* |
| *pH-Value:* | *not available* |
| *Melting temperature:* | *not available* |
| *Boiling temperature:* | *not available* |
| *Flash point:* | *12°C* |
| *Evaporation rate:* | *No information available.* |
| *Flammability (solid, gas):* | *not applicable* |
| *Upper explosion limit:* | *not determined* |
| *Lower explosion limit:* | *not determined* |
| *Vapor pressure:* | *not determined* |
| *Vapor density:* | *No information available.* |
| *Density:* | *not determined* |

*Solubility in water:* *insoluble*

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

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*No data available.*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

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

*Oxidizing properties:*

*no information available*

*Bulk density:*

*not determined*

**9. 2. Further Information**

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further 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 ignitable 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. Imcompatible Materials**

*Oxidizing agents.*

**10.6. Hazardous Decomposition Products**

*In case of fire: formation of carbon monoxide and carbon dioxide.*

**10.7. Further Information**

## 11. Toxicological Information

**11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008**

*Acute Toxicity*

*LD50, oral:*

*Ethanol (CAS 64-17-5): 10470 mg/kg (rat; OECD 401)*
*Propanol: 5840 mg/kg (rat; OECD 401)*

*LD50, dermal:*

*Ethanol (CAS 64-17-5): > 2000 mg/kg (rat; OECD 402)*
*Propanol: 13900 mg/kg (rabbit; OECD 402)*

*LC50, inhalation:*

*Ethanol (64-17-5): > 120 mg/kg (4h, rat)*
*Propanol: > 25 mg/l (6h, rat; OECD 403)*

*Primary effects*

*Irritant effect on skin:*

*Propanol: no skin irritation (OECD 404)*

*Irritant effect on eyes:*

*Ethanol (64-17-5): can irritate eyes (OECD 405)*
*Propanol: splashes can cause eye irritation (OECD 405) and strong pain.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*Propanol:*
*In vitro genetic-toxicity: Ames-Test negative (Salmonella typhimurium; OECD 471)*
*In vitro genetic-toxicity: negative (OECD 476, mouse lymphona cells)*
*In vivo genetic-toxicity: negative (OECD 474, mouse)*

*Reproductive toxicity:*

*Propanol:*
*NOAEL, parents: 853 mg/kg bw/day (oral, rat; OECD 415); one generation study*
*NOAEL, parents: 500 mg/kg bw/day (oral, rat; OECD 416); two generation study*

*Carcinogenicity:*

*Propanol:*

*NOEL: > 5000 ppm (negative, mouse, male and female; inhalation 0, 500, 2500, 5000 ppm; 73 weeks, 5 days/week; OECD 451)*

*Teratogenicity:*

*Propanol:*

*NOAEL: 400 mg/kg bw/day (rat, oral, maternal); OECD 414*

*NOAEL: 400 mg/kg bw/day (rat, oral, embryo-fetal); OECD 414*

*Specific target organ toxicity (STOT):*

*Propanol:*

*Single exposure: may cause drowsiness or dizziness.*

*Repeated exposure: repeated oral and inhalative exposure studies have shown that the target organ effects observed on male rats (kidney) as well as on male and female mice (thyroid) cannot be referred to humans.*

*Aspiration hazard:*

*No risk of aspiration.*

**11. 2. Information on other Hazards**

*The main component is ethyl acetate.*

*Depending on the absorbed concentrations different states of intoxication is reached after an euphoric stage. Further symptoms are loss of self-control, dizziness, vomiting.*

## 12. Ecological Information

**12. 1. Aquatic Toxicity**

*Fish toxicity:*

*Ethanol: LC50: 15400 mg/l (96h, fisch); EC50: 12700 mg/l (96h, fish)*

*Propanol: LC50: 9640 mg/l (96h, Pimephales promelas; OECD 203)*

*Daphnia toxicity:*

*Ethanol: LC50: 1806 mg/l (10d, aquatic invertebrates)*

*Propanol: LC50: 9714 (24h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*Ethanol: EC50: 5800 mg/l (4h, Paramaecium caudatum)*

*Propanol: EC50: > 100 mg/l (bacteria)*

*Algae toxicity:*

*Ethanol: ErC50: 22000 mg/l (96h, algae); ErC50: 675 mg/l (4d, algae)*

*Propanol: EC50: > 100 mg/l (72h, Scenedesmus subspicatus); LOEC: 1000 mg/l (8d, algae)*

**12. 2. Persistency and Degradability**

*Ethanol: readily biodegradable (69 %, 5d)*

*Propanol: 53 % (5d); readily biodegradable*

**12. 3. Bioaccumulation**

*Ethanol: log Kow -0.77. No bioaccumulation.*

*Propanol: log KOW 0.05; no accumulation expected*

**12. 4. Mobility**

*Ethanol: the product in mobile in aqueous environment. Not*

*expected to adsorb on soil.*

*Propanol: Product is mobile in aqueous environment.*

**12. 5. Results of PBT- und vPvP Assessment**

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

*Propanol:*

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

**12. 6. Endocrine Disrupting Properties**

*This product does not contain components considered to have endocrine disrupting properties.*

**12. 7. Other Adverse Effects**

*Water hazard class:*

*1, slightly hazardous*

*Behaviour in sewage systems:*

*Further ecological effects:*

*Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.*

*AOX Value:*

## 13. Disposal Considerations

**13. 1. Waste Treatment Methods**

*Product:*

*Must be treated as toxic waste according to local laws and regulations.*

*Do not let product enter water systems.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Dispose of according to official local regulations.*

*Do not puncture, cut or weld uncleaned drums. Risk of explosion.*

*Residues may cause an explosion hazard.*

*Waste Code No.:*

## 14. Transport Information

**14. 1. UN Number**

*ADR, IMDG, IATA* *1263*

**14. 2. UN Proper Shipping Name**

*ADR/RID:* *FARBE SV 640D*

*IMDG/IATA:* *PAINT SP 640D*

**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 5.2.1.8 ADR/RID: no*<br>*Labelling according 5.2.1.6.3 IMDG: no*<br>*Classification as environmentally hazardous according 2.9.3 IMDG: no* |
| **14. 6.** | **Special Precautions for User** | |
| | | *not applicable* |
| **14. 7.** | **Maritime Transport in Bulk according to IMO Instruments** | |
| | | *IMDG: not applicable* |
| **14. 8.** | **Further Information** | |
| | | *Special Provision: 640D* |

## 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 (German Regulation)*

*Local regulations on chemical accidents:*

*Underlies the Accident Ordinance 7b.*

*Employment restrictions:*

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

*The employment restrictions for expectant and nursing mothers in accordance with the Maternity Protection Guideline are to be observed.*

*Restriction and prohibition of application:*

*Ethanol; MEK:*

*Propanol:*

*EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles, Registered no. 40*

*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**

*Ethanol: EC. Regulation No. 1451/2007 (Biocide), Annex I, Substances identified as existing (OJ (L325). Registered under EC Number 200-578-6*

*Propanol:*

*EC. Regulation No. 1451/2007 (Biocide), Annex I, Substances identified as existing (OJ (L325). Registered under EC Number 200-661-7*

## 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.*