

Safety Data Sheet

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

O6044 Shellac, light

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Revised edition: 29.09.2022

Version: 4.5

Printed: 29.11.2022

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

1.1. Product Identifier

Product Name: Shellac, light

Article No.: O6044

UFI: --

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)
For the coating of food.
Food additive E904*

Uses advised against:

At present we have no details for the 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.

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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)*

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

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

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:

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2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Natural resin, animal origin, decolorized and wax-free.
REACH Pre registration number: 05-2114511069-55-000

Information on Components / Hazardous Ingredients:

Shellac, natural resin	100 %	CAS-Nr: 9000-59-3 EINECS-Nr: 232-549-9 EC-Nr:
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Additional information:

Shellack complies with the definition of a polymer: exempted from the mandatory REACH Registration.

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:

No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray jet.

Unsuitable extinguishing media:

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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:

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.

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.

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 and skin.

Do not swallow or inhale.

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.

Take off contaminated clothing immediately. Store working clothing separately.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store at room temperature.

Storage temperature: < 20°C.

Store product at a relative air humidity of < 50 %.

Do not store together with food stuff and animal feed.

Requirements for storage areas and

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containers:

No special measures necessary.

Information on fire and explosion protection:

Keep away from sources of heat and ignition - do not smoke.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

Shelf-life: at least 2 years when stored < 20°C and at a relative air humidity of < 50 %.

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):

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:

Use appropriate local exhaust ventilation to control airborne levels.

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 rubber (> 480 min; 0.5 mm).

Polyvinyl chloride (> 480 min, 0.5 mm)

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

Nitrile rubber (> 480 min, 0.35 mm)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

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Protective clothing.

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

<i>Form:</i>	<i>solid</i>
<i>Color:</i>	<i>bright yellow</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not available</i>
<i>Melting temperature:</i>	<i>70 - 90°C</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>> 300°C</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>> 300°C</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 determined</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not applicable</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not available</i>

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Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

no information available

Bulk density:

ca. 300 kg/m³

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

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:

Avoid temperatures above 60°C: causes blocking respectively sintering of the platelets.

Thermal decomposition:

No further information available.

10.5. Incompatible Materials

Strong oxidizing agents.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

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: > 5000 mg/kg (rat)

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

LC50, inhalation:

No information available.

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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 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.

Aspiration hazard

Not applicable

11. 2. Information on other Hazards

No further information available.

Shellac is an approved food additive (E 904) and has been toxicologically tested accordingly for legislation.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

EC50: > 500 mg/l (24h, Daphnia magna; OECD 202)

Bacteria toxicity:

no information available

Algae toxicity:

LC50: > 440 mg/l (72h)

12. 2. Persistency and Degradability

34 % (28d); biodegradable (OECD 301D)

12. 3. Bioaccumulation

No information available.

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12.4. Mobility

No data available.

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain any PBT or vPvB substances in percentage greater than 0.1 %.

12.6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12.7. 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.

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

Uncleaned packaging:

Non-contaminated packaging may be recycled.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

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*not applicable**Hazard no.:**Classification code:**Tunnel restriction code:**IMDG Class (sea):**not applicable**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. Maritime Transport in Bulk according to IMO Instruments***not applicable***14. 8. Further Information***Not classified as a dangerous good under transport regulations.*

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 (according to the German Regulation AwSV)**Local regulations on chemical accidents:**Does not underlie the Accident Ordinance.**Employment restrictions:**Restriction and prohibition of application:**Technical instructions on air quality:***15. 2. Chemical Safety Assessment***Shellack complies with the definition of a polymer: exempted from the mandatory REACH Registration.**EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern (REACH Regulation (EC) 1907/2006, Article 57)*

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15.3. Further Information

Listed in the following inventories:

*EINECS (EU), TSCA (US), AICS (AUS), DSL (CA), ENCS (JP),
KECI (KR), PICCS (PH), IECSC (CN), NZIoC (NZ), NECSI (TW),
CH*

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.