



# Safety data sheet

according to Regulation (EC) No. 1907/2006

Printing date 08.03.2011

Version number 1

Revision: 08.03.2011

## 1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** SHELLAC orange lamella
- **Article number:** 9298
- **CAS Number:**  
9000-59-3
- **EINECS Number:**  
232-549-9
- **Index number:**  
002-325-49-9
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation** Laboratory chemical
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Carl Roth GmbH + Co.KG  
Schoemperlenstraße 3-5  
76185 Karlsruhe  
Telefon: +49/(0)721 5606-0                      Telefax: +49/(0)721 5606-149                      e-mail: info@carlroth.de
- **Further information obtainable from:** Department Health, Safety and Environment
- **Emergency telephone number:** Poison Centre Munich                      Telefon +49/(0)89 19240

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards** All chemicals are potentially dangerous. They should only be handled by specially trained personnel.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 3 Composition/information on ingredients

- **Chemical characterization:** Substances
- **CAS No. Description**  
9000-59-3 Shellac
- **Identification number(s)**
- **EC Number:** 232-549-9
- **Index Number:** 002-325-49-9

## 4 First aid measures

- **Description of first aid measures**
- **General information:**  
First Aider: Pay attention to self-protection!  
General advice: No induce of vomiting by layman.
- **After inhalation:**  
Supply fresh air.

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Supply fresh air and to be sure call for a doctor.

**· After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**· After eye contact:** Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.**· After swallowing:**

Rinse out mouth and drink a glass of water. Do not induce vomiting.

If symptoms persist consult doctor.

**5 Firefighting measures****· Extinguishing media****· Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· Advice for firefighters****· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**6 Accidental release measures****· Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Avoid formation of dust.

Do not breathe dust.

**· Environmental precautions:** No special measures required.**· Methods and material for containment and cleaning up:** Pick up mechanically.**· Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****· Handling:****· Precautions for safe handling**

Keep containers, equipment and working place clean.

Handling corresponding to laboratory safety guidelines.

**· Information about fire - and explosion protection:** No special measures required.**· Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:** Store in a cool location.**· Information about storage in one common storage facility:** Store away from foodstuffs.**· Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.**8 Exposure controls/personal protection****· Additional information about design of technical facilities:** No further data; see item 7.**· Control parameters****· Ingredients with limit values that require monitoring at the workplace:** Not required.**· Additional information:** The lists valid during the making were used as basis.**· Exposure controls****· Personal protective equipment:****· General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

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Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.  
Do not breathe dust.

- **Respiratory protection:** Required when dusts are generated.
- **Protection of hands:**



Protective gloves

- **Material of gloves**

Nitrile, thickness: &gt;0.1 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

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## 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Solid

**Colour:** Orange

- **Odour:** Odourless

- **pH-value:** Not applicable.

- **Change in condition**

**Melting point/Melting range:** 70 - 75°C

**Boiling point/Boiling range:** Undetermined.

- **Flash point:** > 300°C

- **Flammability (solid, gaseous):** Product is not flammable.

- **Ignition temperature:** >300°C

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

- **Vapour pressure:** Not applicable.

- **Density:** Not determined.

- **Bulk density at 20°C:** 400 kg/m<sup>3</sup>

- **Solubility in / Miscibility with water:**

Insoluble.

- **Viscosity:**

**Dynamic:** Not applicable.

**Kinematic:** Not applicable.

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## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** Strong oxidizing agents.
- **Hazardous decomposition products:** No information available.

## 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
  - Oral LD50 >5000 mg/kg (rat)
  - Dermal LD50 >10000 mg/kg (rab)
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **Further information:** The product should be handled with the care usual when dealing with chemicals.

## 12 Ecological information

- **Toxicity**
- **Acquatic toxicity:** Quantitative data on the ecological effect of this product are not available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Do not allow to enter waters, waste water, or soil!
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Remarks:** Not subject to transport regulations.
- **Maritime transport IMDG:**
- **IMDG Class:** -

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- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -
- **UN "Model Regulation":** -
- **Special precautions for user** Not applicable.

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **National regulations:**
- **Information about limitation of use:** In dealing with chemicals the national laws must be observed.
- **Waterhazard class:** Not subject to classification.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Department: Health, Safety and Environment
- **Contact:** Herr Dr. Hagel
- **Abbreviations and acronyms:**
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  - ICAO: International Civil Aviation Organization
  - ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
- **\* Data compared to the previous version altered.**

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