

In accordance with directive 1907/2006/EC, 2020/878

Version 2.0.1

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Trade name: Shellac dewaxed – Astra | Bona | Komet

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1 Product Identification:**

Product name: Shellac dewaxed – Astra | Bona | Komet

CAS Number: 9000-59-3

EC number: 232-549-9

### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Application of the substance / the mixture: Stabilising agent | Thickening agent | Emulsifier (substance) | Pharmaceutical and cosmetic products | Fragrance industry | Manufacturing of dental prosthesis in a dental laboratory | Food industry | Flavour | Surface treatment (finishing).

Uses advised against: No data available.

### **1.3 Details of the supplier of the safety data sheet:**

Responsible distributor : ASSYST bvba / A.S.O.W. bvba  
Hellegatstraat 13a  
2590 Berlaar  
Belgium  
Tel: +32 495 50 61 14 / +32 496 83 70 27  
Website: [www.assyst.org](http://www.assyst.org) / [www.artsuppliesonweb.com](http://www.artsuppliesonweb.com)  
Email: [ao@assyst.org](mailto:ao@assyst.org) / [vera.opsommer@assyst.org](mailto:vera.opsommer@assyst.org)

### **1.4 Emergency Phone Number:**

For Belgium: Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

## **SECTION 2: Hazard identification**

### **2.1 Classification of the substance or mixture:**

#### **Classification according to Directive (EC) No 1272/2008 and its amendments.**

The substance is not classified, according to the CLP regulation.

### **2.2 Label elements:**

**Labelling according to Regulation (EC) No 1272/2008:** Not applicable

**Hazard pictograms:** Not applicable

**Signal word:** Not applicable

**Hazard statements:** Not applicable

### **2.3 Other hazards:**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### **Ecological information:**

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

#### **Toxicological information:**

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The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

### **SECTION 3: Composition and information on ingredients**

#### **3.1 Substance:**

##### **Chemical characterisation:**

Substance name: Shellac

##### **Identification numbers:**

CAS no.: 9000-59-3

EC no.: 232-549-9

### **SECTION 4: First aid measures**

#### **4.1 Description of first aid measures:**

##### **General information:**

In all cases of doubt, or when symptoms persist, seek medical attention.

##### **After inhalation:**

Ensure supply of fresh air.

In the event of symptoms, take medical treatment.

##### **After skin contact:**

When in contact with the skin, clean with soap and water.

##### **After eye contact:**

If possible, remove contact lenses.

Rinse opened eye for several minutes (at least 15 minutes) under running water.

If symptoms persist, consult a doctor.

##### **After ingestion:**

Rinse the mouth thoroughly with water.

Get medical attention if pain still persists.

#### **4.2 Most important symptoms and effects, both acute and delayed:**

No further relevant information available.

#### **4.3 Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

### **SECTION 5: Fire-fighting measures**

#### **5.1 Extinguishing media:**

##### **Suitable extinguishing agents**

Carbon dioxide, alcohol-resistant foam, extinguishing powder.

##### **Unsuitable extinguishing agents**

Water with full jet.

#### **5.2 Special hazards arising from the substance or mixture:**

Combustion products of this material have to be classed invariably as respiratory poison.

#### **5.3 Advice for firefighters:**

##### **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

##### **Additional information:**

Cool endangered tanks with water spray.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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## **SECTION 6: Accidental release measures for the substance or mixture**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

#### **For non-emergency personnel:**

Avoid contact with skin, eyes and clothing.

Avoid dust formation.

#### **For emergency responders:**

No data available.

Personal protective equipment (PPE) – see section 8.

### **6.2 Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

### **6.3 Methods and material for containment and cleaning up:**

Take up dry.

Send in suitable containers for recovery or disposal.

Clean thoroughly.

### **6.4 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.

## **SECTION 7: Handling and storage:**

### **7.1 Precautions for safe handling**

#### **Advice on safe handling:**

Avoid the formation and deposition of dust.

#### **General protective and hygiene measures:**

Remove contaminated clothing.

Wash hands before breaks and after work.

Do not eat or drink during work – no smoking.

Do not inhale dust.

#### **Advice on protection against fire and explosion:**

Dust can form an explosive mixture with air. Take precautionary measures against static charges.

### **7.2 Conditions for safe storage, including any incompatibilities:**

#### **Technical measures and storage conditions:**

Keep container tightly closed, cool and dry.

#### **Recommended storage temperature:**

Value <15°C.

#### **Incompatible products:**

Do not store together with oxidising agents.

### **7.3 Specific end use:**

No further relevant information available.

## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters:**

No parameters available for monitoring.

### **8.2 Exposure controls:**

#### **Appropriate engineering controls:**

Provide good ventilation.

#### **Personal protective equipment:**

##### **Respiratory protection:**

Use breathing apparatus in dust-laden atmosphere.

##### **Protection of hands:**

Protective gloves.

##### **Material of gloves:**

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Neoprene, Butyl rubber, Nitrile rubber.

**Eye protection:**

Safety glasses.

Use safety glasses that meets the requirements of EN 166; latest versions.

**Body protection:**

Choose type of clothing used for body protection according to specific workplace conditions.

Check with your supplier the chemical resistance of the personal protective equipment.

**Limitation and supervision of exposure into the environment:**

No data available.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties:**

**Appearance:**

Form:	Solid
Colour:	Yellowish to brown
Odour:	Weak
Odour threshold:	No data available.
pH-value:	No data available.

**Change in condition:**

Melting point/freezing point:	approx. 70-105°C.
Initial boiling point and boiling range:	No data available.
Flash point:	>300°C
Flammability (solid, gas):	No data available.
Ignition temperature:	No data available
Decomposition temperature:	No data available.
Explosive properties:	Product does not present an explosion hazard.

**Explosion limits:**

Lower:	No data available.
Upper:	No data available.
Vapour pressure:	No data available.
Density at 20°C:	No data available.
Bulk density:	approx. 400 kg/m <sup>3</sup>
Vapour density:	No data available.
Evaporation rate:	No data available.

**Solubility in / Miscibility with:**

Water:	Insoluble.
Partition coefficient: n-octanol/water:	No data available.

**Viscosity:**

Dynamic:	No data available.
Kinematic:	No data available.
Particle characteristics:	No data available.

**9.2 Other information:**

No further relevant information available.

**SECTION 10: Stability and reactivity**

**10.1 Reactivity:**

No data available.

**10.2 Chemical Stability:**

Stable under normal temperatures and pressures.

**10.3 Potential Hazardous Reactions:**

No data available.

**10.4 Conditions to Avoid:**

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The product is stable at ambient temperature.

#### 10.5 Chemically Interacting Materials:

Strong oxidising agents.

#### 10.6 Hazardous Decomposition Products:

None if stored, handled and transported properly.

### **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects:

##### **Acute toxicity:**

Based on available data, the classification criteria are not met.

##### **Primary irritant effect:**

##### **Skin corrosion/irritation:**

Based on available data, the classification criteria are not met.

##### **Serious eye damage/irritation:**

Based on available data, the classification criteria are not met.

##### **Respiratory or skin sensitization:**

Based on available data, the classification criteria are not met.

##### **CMR effects (carcinogenic, mutagenic and reprotoxic):**

##### **Germ cell mutagenicity:**

Based on available data, the classification criteria are not met.

##### **Carcinogenicity:**

Based on available data, the classification criteria are not met.

##### **Reprotoxicity:**

Based on available data, the classification criteria are not met.

##### **STOT-single exposure:**

Based on available data, the classification criteria are not met.

##### **STOT-repeated exposure:**

Based on available data, the classification criteria are not met.

##### **Aspiration hazard:**

Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### **Hormone-disrupting properties**

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

### **SECTION 12: Ecological information**

#### 12.1 Toxicity:

##### **Acute toxicity to fish:**

LC50: 8140 mg/l | Duration of exposure: 48h | Species: Leuciscus idus

##### **Chronic toxicity to fish:**

No data available.

##### **Acute toxicity to Daphnia:**

EC50: > 5000 mg/l | Duration of exposure: 48h | Species: Daphnia magna

##### **Chronic toxicity to Daphnia:**

No data available.

##### **Acute toxicity to Algae:**

No data available.

##### **Chronic toxicity to Algae:**

No data available.

##### **Bacteria toxicity:**

EC10: >6500 | Duration of exposure: 16h | Species: Pseudomonas putida

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## 12.2 Persistence and Degradability:

Value: 34% | Duration: 28 days | Method: OECD 301 D | Evaluation: Moderately/partially biodegradable.

## 12.3 Bioaccumulation:

No data available.

## 12.4 Mobility in Soil:

No data available.

## 12.5 Results of PBT and vPvB assessment

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Hormone-disrupting properties

The substance/mixture does not contain any components believed to have endocrine disrupting properties, according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 on level 0.1% or higher.

## 12.7 Other Harmful Effects:

No further relevant information available.

### **Other information:**

Do not discharge product unmonitored in the environment.

Do not allow to enter soil, waterways or waste water canal.

## **SECTION 13: Instructions for disposal**

### 13.1 Waste treatment methods:

#### **Product:**

Remove in accordance with local official regulations.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### **Packaging:**

Completely discharge containers.

Do not reuse product container.

Packaging that cannot be cleaned, should be disposed off as product waste.

## **SECTION 14: Information relating to carriage**

### 14.1 UN number

The transport of this substance is not subject to regulations.

### 14.2 Proper load name according to UN Model Regulations

The transport of this substance is not subject to regulations.

### 14.3 Transport hazard class(es)

The transport of this substance is not subject to regulations.

### 14.4 Packing group

The transport of this substance is not subject to regulations.

### 14.5 Environmental hazards

The transport of this substance is not subject to regulations.

### 14.6 Special precautions for the user

The transport of this substance is not subject to regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as delivered.

## **SECTION 15: Legally required information**

### 15.1 Safety, health and environmental regulations and legislation specific for the substance or mixture:

#### **Regulation (EC) No. 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation):**

In accordance with the REACH regulation (EC) 1907/2006, the product does not contain any substances that are considered as subject to listing in annex XIV, inventory of substances requiring authorisation.

#### **REACH candidate list of substances of very high concern (SVHC) for authorisation:**

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In accordance with article 57 and article 59 of the REACH regulation (EC) 1907/2006, this substance is not considered as subject to listing in annex XIV, inventory of substances requiring authorisation (“Authorisation list”).

**Regulation (EC) No. 1907/2006 (REACH) Annex XVII: Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:**

The substance is not subject to the provisions of annex XVII (restriction entries) of the REACH regulation (EC) 1907/2006.

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out for this product.

**SECTION 16: Other information**

**Legislation relating to safety data sheets:**

This safety data sheet has been prepared in accordance with ANNEX II Guide to the compilation of safety data sheets of Regulation (EC) No.1907 / 2006 (Regulation (EC) No.2020/878)

**Abbreviations and acronyms:**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AICS - Australian Inventory of Chemicals; ASTM - American Association for the Testing of Materials; bw - Body weight; CLP - Classification, Labeling and Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardization; DSL - Indoor Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Load capacity associated with x% response; EmS - Emergency schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Cancer Research; IATA - International Air Transport Association; IBC - International IMO Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Act (Japan); ISO - International Organization for Standardization; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (median lethal dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No observable (negative) effect on concentration; NO(A)EL - No observable (negative) effect on Level; NOELR - No discernible effect on load capacity; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development OECD; OPPTS - Bureau of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure-Activity Relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH); RID - Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Inventory List; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substance Control Act (US); UN - United Nations; vPvB - Very difficult to degrade and very bioaccumulative

**Advice on training:**

Minimal training is recommended to prevent industrial hazards to personnel using this product and to facilitate their understanding and interpretation of this MSDS and the product label.

**Main bibliographic sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

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As we do not know the operating conditions of the user, the information given in this safety data sheet is based on our knowledge and on national and community regulations. The mixture may not be used for purposes other than those indicated in section 1 without prior written processing instructions. It is always the responsibility of the user to take all necessary measures to comply with the requirements of the laws and local regulations.

The information provided in this safety data sheet must be regarded as a description of the safety requirements relating to this substance and not as a guarantee of its properties.

**DISCLAIMER:**

We declare to the best of our knowledge that the information contained in this safety data sheet corresponds to our knowledge at the time of printing. The information must contain instructions for the safe handling of the product named in this safety data sheet during storage, processing, transport and disposal. The information is not transferable to other products. If the product is mixed with other material or processed, the information in this safety data sheet is not necessarily transferable to the new material produced in this way.