

Material Safety Data Sheet according 91/155/EEC		
Product Name :	Shellac	Kö 142
Date: 30.06.00	Revision date: 19.04.00	1

1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

Product name & code : Shellac
142000 Standard Colors

NAME AND FULL ADDRESS OF COMPANY:

Heinrich König & Co.
An der Rosenhelle 5
61138 Niederdorfelden

EMERGENCY-CALL OF COMPANY : 49 / 6101 / 53 60 50 (R & D)

Telephone-number (in general) : 49 / 6101 / 53 60 - 0
Telefax : 49 / 6101 / 53 60 11

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristics Mixture of Waxes

Hazardous Ingredients according to Directive 67/548/EEC
CAS-Nr. Name Conc.% Symb. R-Phrases

n.a.

(See full text of Risk-Phrases under Section 16)

Type of Product: The product is based on a mixture of chemical neutral waxes and/or resins, tinted with inorganic oxides and/or pigments oxide-type, free from contents of heavy-metal. As to the best of our knowledge, the preparation does not contain any hazardous material.

3. HAZARDS IDENTIFICATION OF THE PREPARATION

According to our actual technical knowledge there is no hazardous risk for the upper described product.

4. FIRST AID MEASURES

After contact of molten product with skin: Cool contaminated parts of skin with cold water for at 15 minutes. Afterwards cover with sterile cloth and seek medical attention.

CAUTION: molten wax will cause severe damage of skin.
Do not try to remove the wax from the skin by force.

After contact with eye:
Remove as done with solid particles, seek medical attention.

Ingestion:
First Aid in normal not necessary, but seek medical advice.

Inhalation:

Do not inhale molten fumes.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Foam, powders, carbon dioxide

Not to be used:

Water

6. ACCIDENTAL RELEASE MEASURES

Let the hot product cool down. Pick up cold product in suitable containers for waste or reuse. Take care if walking over hot product or spilled material.

7. HANDLING AND STORAGE

Exclude sources of ignition and ventilate the area when handling the product. The product itself will only burn or produce explosive mixtures with oxygen when heated above the flash point! Keep away from strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hot product: avoid formation of wax-vapor or fog. If this is not possible, take care that the area is well ventilated or even use an efficient suction at the work-area.

PERSONAL PROTECTION:

Respiratory protection

Only when wax-vapors or fog occur.

Hand-protection

Only necessary at prolonged skin-contact.

Eye-protection

Use goggles at danger of splats from molten wax.

Body-protection

When contact with molten wax in larger amount is possible, use protective clothing according to national regulations.

Hygiene at work

The normal precautionary measures while working with chemicals should be taken care of. After work / before breaks clean skin with suited cleaning-materials and water. Avoid inhaling the fumes of molten wax.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid

Color: typical

Odor: typical

	Value	Unit	Method
Flashpoint:	n.a.	°C	
Viscosity: at 20 °C	n.a.		
Density: at 20 °C	1.20	g/cm ³	
Lower ex-limit:	n.a.	Vol.%	
Upper ex-limit:	n.a.	Vol.%	
Solubility in water:	not soluble		
Melting-point:	130	°C	
Boiling-point:	183	°C	
Bulk-density:		kg/m ³	
Vapor-pressure: at 20 °C	n.a.	mbar	
pH-value:	n.a.		
Ignition-point:	580	°C	
Weight of Solids:	100	%	
Volume of Solids:	100	%	

10. STABILITY AND REACTIVITY

Thermal decomposition: none at proper use.

Hazardous decomposing products: none at proper use.

Dangerous reactions: none at proper use.

Avoid contact with strong oxidizing agents or fluorine.

NONE OF THE UPPER DESCRIBED DECOMPOSED PRODUCTS WILL OCCUR
UNDER NORMAL CONDITIONS AND PROPER USE!

11. TOXICOLOGICAL INFORMATIONS

LD 50 (rat) > 15.000 mg/kg (described in
literature)

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself.

Nevertheless should the product not to be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATIONS

Chemicals are in normal wastes that have to be deposited
separate from other (normal) disposal. Refer to local
governmental rules. If in doubt, seek advice from your local
government!

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14. TRANSPORTATION INFORMATION

NOT REGULATED BY DOT

Transportation only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

Transportation by sea

IMDG/GGVSee-class : n.a. UN-Nr.: n.a. PG: n.a.
 EmS-Nr.: n.a. MFAG : n.a.
 Marine pollutant: n.a.
 Proper shipping name :

Transportation by air; ICAO/TI and IATA/DGR

ICAO/IATA-class : n.a. UN-Nr.: n.a. PG: n.a.
 proper shipping name :
 packaging-group: n.a.

IN GENERAL:

THIS PREPARATION IN OR WITH ITS CONTENTS IS NOT SUBJECT TO DANGEROUS GOODS REGULATIONS, NEITHER NATIONAL NOR INTERNATIONAL.

15. REGULATORY INFORMATIONS

SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning Community Right to Know Act of 1986 and of 40 CFR 372:

To the best of our knowledge, None.

PROP 65 - CARCINOGENIC & TERATOGENIC

WARNING: To the best of our knowledge, this product does not contain any chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

To the best of our knowledge, the upper described product is not a subject of the DANGEROUS-GOODS REGULATION OF GERMANY or the current EEC-Regulations.

Danger-classification:

ID-number and name of hazardous character:
 n.a.

Dangerous components for markings on label:
 n.a.

R-sentences:
 n.a.

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S-sentences:

2 Keep out of reach of children.

Special markings:

n.a.

Information for local regulations concerning open waters
water-hazardous-classification (Germany):

n.a.

Information on air-pollution-classification (Germany):

TA-Luft Klasse I: 0% Klasse II: 0% Klasse III: 0%

16. FURTHER INFORMATION

R-sentences referring to Section 2:

n.a.

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws. As the users` working-conditions are beyond our knowledge and control, the product should not be used for other purposes as those specified under section 1 without first obtaining written handling-instructions. It is always the responsibility of the user to take all necessary steps in order to fulfill the demand of security matters laid down in national rules and legislation. The information in this MSDS is meant as a description of the safety-requirements for our product; it is not to be considered as a guarantee of the products` properties.

The information in this Safety Data Sheet is required pursuant to Dangerous Substances Regulation of Germany, Oct. 26, 1994.
