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1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name & code: Hard Wax

141000

NAME AND FULL ADDRESS OF COMPANY:

Heinrich König & Co.  
An der Rosenhelle 5  
D-61138 Niederdorfelden

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

Telephonenumber ( in general ) : 49 / 6101 / 53 60 - 0

Telefax : 49 / 6101 / 53 60 11

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characteristics Mixture of Waxes

Hazardous Ingredients according to Directive 1999/45/EG

EINECS-#	Name		
CAS-#	R-Phrases	Symb.	Conc.-%
n.a.			

Additional remarks:

See full text of Risk-Phrases under chapter 16

Type of Product:

The product is based on a mixture of chemical neutral waxes and/or resins, tinted with inorganic oxids 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.

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3. POSSIBLE HAZARDS OF PREPARATION

Description of hazard: n.a.

Special remarks concerning man and environment:

n.a.

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4. FIRST AID MEASURES

After contact of molten product with skin:

Cool contaminated parts of skin with cold water for at least 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:

Not to be used in this chapter.

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5. FIRE-FIGHTING MEASURES

Extinguishing medias:  
Foam, powders, carbondioxide  
Not to be used:  
water

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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.

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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 oxigen when heated above the flash-point! Keep away from strong oxidizing agents.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits  
Occupational exposure limit for:

EINECS-#	Name	STEL mg/m <sup>3</sup>	LTEL mg/m <sup>3</sup>
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Technical measures

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

PERSONAL PROTECTION:

Respiratory protection

Only when wax-vapours or -fogs will 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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

form: : solid  
colour: typical  
odour: typical

	Wert	Einheit	Methode
flashpoint:	n.a.	°C	c.c.
viscosity: at	20 °C 40 s 4 mm		DIN 53211
density: at	20 °C 1.00	g/cm <sup>3</sup>	
under ex-limit:	n.a.	Vol.%	
upper ex-limit:	n.a.	Vol.%	
solubility in water:	not soluble		
melting-point:	84	°C	
boiling-point:	230	°C	theoretic value
bulk-density:		kg/m <sup>3</sup>	
vapour-pressure:	20 °C	mbar	theoretic value
acid-value:	-		
ignition-point:	580	°C	theoretic value

## 10. STABILITY AND REACTIVITY

Thermal decomposition: none at proper use.  
 Hazardous decomp-products: none at proper use.  
 Dangerous reactions: none at proper use.

Avoid contact with strong oxidizing agents or flourine.

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 which have to deposited sepearte from  
 from other (normal) disposal. Refer to local governmental rules.  
 If in doubt, seek advice from your local government!

## 14. TRANSPORTATION INFORMATIONS

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

ADR / RID

Proper shipping name:

UN-# : n.a.  
 Class : Kein Gefahrgut gem. den Vorschriften  
 Item : \_Lggvszi  
 Packaging group : n.a.

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IMDG

Proper shipping name:

UN-# : n.a.  
Class : n.a.  
EmS : n.a.  
Packaging group : n.a.  
Marine pollutant : n.a.

ICAO / IATA

Proper shipping name:

UN-# : n.a.  
Class : n.a.  
Packaging group : n.a.

IN GENERAL:

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

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15. REGULATORY INFORMATIONS

To the best of our knowledge, the upper described product resp. preparation 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.

S-sentences:  
2 Keep out of reach of children

Special markings:  
n.a.

Informations for local regulations concerning open waters  
water-hazardous-clasiffication (Germany): 1

Information on air-polution-classification (Germany):

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

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16. Sonstige Angaben

R-sentences reffering to chapter 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.

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