



# KOTA™ KRAYON

## Safety Data Sheet

Material Safety Data Sheet according 91/155/EEC

### 1.1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION

Product name and code: Soft Wax 140000 2. KOTA™ KRAYON

1.2 Use of the substance/preparation: Adhesive

1.3 Company/undertaking identification:

W.Howard Kildare Limited, Arthurstown, Kill, Co. Kildare, Ireland. Tel: +353 45 877 671

1.4 Emergency telephone: +49 6101 53 60 50 (R&D)

### 2.0 COMPOSITION/INFORMATION ON INGREDIENTS:

#### 2.1 Chemical characteristics:

Mixture of Waxes

Hazardous Ingredients	CAS No. EINECS / ELINCS No.	Conc. (%)	Hazardous (Rphrases)	Hazard Symbol
According to Directive 1999/45/EG	- -	-	-	-

(1) For Rphrases in full: see heading 16

### 3.0 POSSIBLE HAZARDS OF PREPARATION:

Description of hazard: N.A.

Special remarks concerning man and environment: N.A.

### 4.0 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.

## 5. FIREFIGHTING MEASURES

Extinguishing medias: 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 MEASURES

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

Exposure Limits Occupational exposure limit for:

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

### 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-area.

### 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid

Colour: typical

Odour: typical

	Value	Unit	Method
flashpoint:	n.a	°C	c.c.
viscosity: at	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:	75	°C	
boiling-point:	220	°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 chlorine.

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

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## 11. TOXICOLOGICAL INFORMATION

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

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## 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.

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## 13. DISPOSAL CONSIDERATIONS

Chemicals are in normal wastes which have to 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. TRANSPORT INFORMATION

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

### 14.1 ADR/RID (transport by road and rail):

PROPER SHIPPING NAME	
UN#	N.A
CLASS	No Dangerous Goods according to the regulations
ITEM	_Lggvszi
PACKAGING GROUP	N.A

### 14.2 IMDG (maritime transport)

PROPER SHIPPING NAME	
UN#	N.A
CLASS	N.A
EmS	N.A
PACKAGING GROUP	N.A
MARINE POLLUTANT	N.A

### 14.3 ICAO/IATA (air transport)

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.

## 15. REGULATORY INFORMATION

To the best of our knowledge, the upper described product respect. 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:** Keep out of reach of children.

**Special markings:** N.A.

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Informations for local regulations concerning open waters water-hazardous-classification (Germany): 1  
Information on air-pollution•classification (Germany): TA-Air Class I: 0 % Class II: 0 % Class III: 0 %

## 16. OTHER INFORMATION

**R-sentences referring 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 fulfil 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.