

## Product description: KORTHO HOTROLL T - ALL COLOURS

### 1. IDENTIFICATION OF THE SUBSTANCE OR THE MIXTURE AND OF THE COMPANY/BUSINESS

#### 1.1 Product identifications

Product name: Kortho Hot-roll HQC-T  
Internal code number: 047807, 047819, 047822, 047835, 047848, 047851, 047864, 047877  
Product description: Hot melt printing roller

#### 1.2 Relevant identified use of the substance or the mixture and use that is advised against

Identified use: Solely intended for use in printers incorporating Hot-roll technology.

#### 1.3 Details relating to the provider of the material safety data sheet

Company: B.V. Korthofah  
Lageweg 39  
2222AG Katwijk ZH  
The Netherlands  
Telephone: 0031 71 40 60 480  
E-mail address: export@kortho.nl

#### 1.4 Telephone number in case of emergencies

Emergency telephone number: 0044 (0) 1873 811738 (24 hours a day – Intended exclusively to provide information to professional care providers in cases of acute poisoning)

### 2. HAZARDS IDENTIFICATION

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

Not classified as hazardous to users

#### Classification in accordance with directive (EC) No. 1272/2008

Not classified as hazardous to users

#### 2.2 Labelling elements

None

#### 2.3 Other hazards

Eye and skin contact – Contact with hot roll and wax during use may cause burns.

Respiratory system – Vapours may be given off at high temperature which could act as an irritant to the respiratory system.

Skin absorption and ingestion – No hazards identified.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixture

#### Hazardous components according to Regulation (EC) No. 1272/2008

Not applicable

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### General advice

In case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing in an unconscious person.

##### In case of inhalation

Not anticipated.

##### In case of skin contact

Only applicable for hot material: Immediately flush or immerse with copious amounts of cold water. Seek medical attention. Mineral oil may help soften the wax to aid removal.

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### In case of eye contact

Only applicable for hot material: Immediately flush with copious amounts of cold water. Seek medical attention. Not expected during normal usage.

### In case of ingestion

DO NOT induce vomiting. Never attempt to get an unconscious person to drink (or eat). Rinse mouth with water. Seek medical advice.

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

The most important known symptoms and effects are described on the label, see section 2.2 and/or section 1.1.

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

No data available.

## 5. FIRE FIGHTING MEASURES

### 5.1 Fire extinguishers

#### Suitable fire extinguishers

Use foam, dry powder, CO<sub>2</sub>, water.

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

None.

### 5.3 Advice for fire-fighters

In case of fire, do not breathe fumes. Breathing apparatus should be worn.

### 5.4 More detailed information

May combust if heated to a temperature above the flash point and in proximity to a source of ignition.

## 6. MEASURES IN THE EVENT OF THE ACCIDENTAL RELEASE OF THE SUBSTANCE OR PREPARATION

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

Not applicable.

### 6.2 Environmental precautions

Not applicable.

### 6.3 Containment and cleaning methods and materials

Not applicable.

### 6.4 Reference to other sections

Not applicable.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling of the substance or mixture

Avoid contact with eyes or skin. Avoid breathing in vapour or mist.  
Keep away from sources of ignition – No smoking.  
For precautionary measures, see section 2.2.

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

Store at ambient conditions, away from direct sources of heat or moisture.

### 7.3 Specific end use(s)

Some of the applications set out in section 1.2 - no other applications have been agreed.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control parameters**

**Components with limit values for the workplace**

Not applicable.

**8.2 Measures to control exposure**

**Suitable technical measures**

Use in accordance with effective industrial hygiene and safety. Wash hands before each work break and at the end of the working day.

**Personal protective equipment**

**Protection of the eyes / the face**

Not applicable.

**Protection of the skin**

Not applicable.

**Body protection**

Not applicable.

**Protecting the respiratory tract**

If product is being used at very high temperature, it may be necessary to provide additional ventilation.

**Preventing exposure of the environment**

Although not anticipated to be harmful to the environment, see section 11.1, do not allow product to get into the drains as this action may lead to blockage with unknown consequences.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information about physical and chemical basic properties**

|    |  |   |
|----|--|---|
| a) | Appearance   | Form: coloured foam roller<br>Colour: various |
| b) | Odour  | Characteristic                                |
| c) | Odour threshold value                              | N/A   |
| d) | pH   | Not applicable                                |
| e) | Melting/freezing point                             | Wax above 100°C – Not applicable              |
| f) | Initial boiling point and boiling range            | No data available                             |
| g) | Flashpoint   | Estimated from raw components – above 265 °C  |
| h) | Evaporation rate                                   | No data available                             |
| i) | Flammability (solid, gas)                          | No data available                             |
| j) | High/low flammability<br>or explosion limit values | No data available                             |
| k) | Vapour pressure                                    | No data available                             |
| l) | Vapour density                                     | No data available                             |
| m) | Relative density                                   | Not applicable                                |
| n) | Solubility in water                                | Insoluble in water                            |
| o) | Partition coefficient n-octanol<br>/ water         | No data available                             |
| p) | Auto-ignition temperature                          | No data available                             |
| q) | Decomposition temperature                          | No data available                             |
| r) | Viscosity  | Not applicable                                |
| s) | Explosion characteristics                          | No data available                             |
| t) | Oxidising characteristics                          | No data available                             |

**9.2 Other safety information**

No data available.

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**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity**  
No data available.
- 10.2 Chemical stability**  
Stable under the recommended storage conditions.
- 10.3 Potential hazardous reactions**  
No data available.
- 10.4 Conditions to be avoided**  
Flames and sparks.
- 10.5 Incompatible materials**  
Not applicable.
- 10.6 Hazardous decomposition products**  
Combustion products: Carbon Dioxide, Carbon Monoxide.  
In case of fire: see section 5.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Information about toxicological effects**
- Acute toxicity**  
No data available.
- Inhalation**  
No data available.
- Contact with the skin**  
No data available.
- Eye contact**  
No data available.
- Swallowing**  
No data available.
- Mutagenicity in reproductive cells**  
No data available.
- Carcinogenicity**  
No data available.
- Toxicity for reproduction**  
No data available.
- Specific target organ toxicity - single exposure**  
No data available.
- Specific target organ toxicity - repeated exposure**  
No data available.

**12. ECOLOGICAL INFORMATION**

**General information:**  
Regarding the product itself, no information is available. The product must not enter drains or surface water.

- 12.1 Toxicity**  
No data available.

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- 12.2 Persistence and degradability**  
No data available.
- 12.3 Bioaccumulation**  
No data available.
- 12.4 Mobility in soil**  
No data available.
- 12.5 Results of PBT- and vPvB assessment**  
PBT/vPvB assessment not available because a chemical safety assessment is not required/has not been performed.
- 12.6 Other harmful effects**  
In normal use, there are no known or anticipated environmental problems.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product**

Take into consideration Local Authority regulations, this product may be land – filled or incinerated together with household refuse.

**Contaminated packaging**

Remove as unused product.

## 14. INFORMATION RELATING TO TRANSPORTATION

### General information

Transport the product in accordance with the provisions of the ADR for road transport, RID for rail transport, IMDG for sea transport and ICAO/IATA for air transport.

- 14.1 UN number**  
Not applicable.
- 14.2 Proper shipping name from the UN Model Regulations**  
Not applicable.
- 14.3 Transport hazard class(es)**  
Not applicable.
- 14.4 Packaging group**  
Not applicable.
- 14.5 Environmental hazards**  
Not applicable.
- 14.6 Special precautions for the user**  
Not applicable.

## 15. REGULATIONS

- 15.1 Specific health, safety and environmental regulations and legislation governing the substance or the mixture**  
No data available.
- 15.2 Chemical safety assessment**  
No chemical safety assessment has been carried out for this product.

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### 16. OTHER INFORMATION

#### Full text of H statements to which reference is made in sections 2 and 3

Not applicable.

#### Full text of R statements to which reference is made in sections 2 and 3

Not applicable.

#### List of abbreviations and acronyms

|      |   |
|------|---|
| ADR  | Accord européen relatif au transport international des marchandises Dangereuses par Route: European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| IATA | International Air Transport Association.  |
| IMDG | International Maritime Dangerous Goods code: International code for the transportation of hazardous substances at sea.  |
| PBT  | Persistent, bioaccumulating and toxic.  |
| RID  | Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations for the transportation of hazardous substances by train).           |
| zPzB | Zeer persistent en zeer bioaccumulerend [vPvB - Very Persistent and very Bioaccumulative].  |

| Classification in accordance with Regulation (EC) No. 1272/2008 | Classification procedure |
|---|--------------------------|
| Not applicable  | Not applicable           |

#### More detailed information

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