

# MATERIAL SAFETY DATA SHEET

**kortho**

The mark of preference

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Product name : KORTHO K-LON INK ROLL PI BLACK

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF COMPANY UNDERTAKING

Product identification number : 048004/048017/048032  
Product name : KORTHO INK ROLL PI BLACK  
Identification of the substance : BLACK INK WITHIN PVC STRUCTURE

Company : B.V. KORTHOFAH  
LAGEWEG 39, P.O. BOX 3040  
2222 AG KATWIJK ZH  
HOLLAND  
TEL: +31-71-4060480  
FAX: +31-71-4032807

Emergency telephone : 001 800 424 9300  
Organisation : Chemtrec

## 2. HAZARDS IDENTIFICATION

HMIS Rating: Health: 2 Flammability: 1 Reactivity: 0

**NOTE:** HMIS and NFPA ratings involve data and interpretations that may vary from company to company.

They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information in the MSDS must be considered.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Per OSHA 29 CFR1910.1200

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>%</u>	<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>
2-Ethylhexyl Diphenyl Phosphate	1241-94-7	10 - 20%	-	-
Light Paraffinic Petroleum Oil Extract	64742-05-8	19.9%	0.2 mg/m <sup>3</sup> TWA	0.2 mg/m <sup>3</sup> TWA
Carbon Black	1333-84-4	2.4%	3.5 mg/ m <sup>3</sup>	3.5 mg/m <sup>3</sup>

Manufacturer states all other ingredient information is proprietary or non-hazardous as defined by the Hazard Communication Standard (29 CFR 1910.1200)

## 4. FIRST AID MEASURES

**Eye contact** : Any material that contacts the eye should be immediately flushed with water, lifting the upper and lower lids. Get immediate medical attention if any symptoms occur.

**Skin contact** : Wash immediately with soap and water. Apply skin cream if irritated. Seek medical attention if symptoms occur.

**Inhalation** : If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Ingestion** : Unknown - None expected. Seek medical attention.

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## 5. FIRE-FIGHTING MEASURES

- Fire extinguishing materials** : Water spray, carbon dioxide, dry chemical.
- Special firefighting procedures** : Wear self-contained breathing apparatus and protective clothing.
- Unusual fire and explosion hazards** : May emit toxic gases.

## 6. ACCIDENTAL RELEASE MEASURES

- Spill response procedures and employee protection measures** : Contain spills with rags of dry absorbant. Use a suitable ink cleaner to remove any residue. Wear protective gloves to minimize skin contact.
- Disposal methods** : Discard waste while observing all local, state and federal regulations.
- In case of a spill** : Use absorbent material such as rags to contain the spill when necessary. Place in proper container for disposal.

## 7. HANDLING AND STORAGE

- Personal precautionary measures** : No additional precautions necessary
- Prevention of fire and explosion** : No unusual hazards

Keep containers closed when not in use. Use with adequate ventilation.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<u>Component</u>	<u>CAS Reg. No.</u>	<u>OSHA</u>	<u>ACGIH</u>
Carbon Black	1333-86-4	3.5 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>
Light Paraffinic Petroleum Oil Extract	64742-05-8	0.2 mg/m <sup>3</sup> TWA	0.2 mg/m <sup>3</sup> TWA

- Ventilation** : General ventilation sufficient.
- Personal Protection** : Good industrial hygiene practices should be followed which include preventing eye contact, minimizing skin contact and inhalation.
- Respiratory Protection** : None should be needed under normal use and conditions with stated ventilation.
- Eye Protection** : Safety glasses.
- Skin Protection** : Protective gloves to minimize contact to all chemicals.



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**13. DISPOSAL CONSIDERATIONS**

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**14. TRANSPORT INFORMATION**

**D.O.T. Shipping Name** : Non-regulated

**DOT Hazard Class** : NA

**UN Number** : NA

Exemptions and other requirements may apply, consult 49 CFR - Transportation

**15. REGULATORY INFORMATION**

**Material(s) known to the State of California to cause cancer:**

Aniline <0.05%  
Vinyl Chloride <0.001%  
Carbon Black 2.4%

**Material(s) known to the State of California to cause adverse reproductive effects:**

None

**International Agency for Research on Cancer (IARC) components present at 0.1 % or greater:**

Carbon Black  
Light Paraffinic Petroleum Oil Extract

**National Toxicology Program (NTP) components present at 0.1% or greater:**

Light Paraffinic Petroleum Oil Extract

**Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:**

None

**Chemical(s) subject to the reporting requirements of SARA Title III Section 304 and 40 CFR Part 302.4 (CERCLA Hazardous Substances):**

None

**Chemical(s) subject to SARA Title III Section 302 and 40 CFR Part 355 (Extremely Hazardous Substances):**

None

**Safety Considerations** : Aspiration hazard if swallowed

**TSCA Status** : All chemical ingredients found on TSCA Inventory

**RCRA Status** : If discarded in its purchased form, this product would carry the following status and classifications by listing or characteristic codes:

Status : Check local regs R  
RCRA Hazardous Waste Codes : NA

However, it is the responsibility of the end-user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste.  
40 CFR 261.20-24

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**16. OTHER INFORMATION**

SPECIAL NOTE: IARC classifies the type of oil used in this product as carcinogenic. Prolonged and repeated lifetime skin contact with similar oils has produced skin tumors produced skin tumors in laboratory animals. Oral and skin exposure to similar oils produced toxic liver, thymus, bone marrow, blood effects and death in lab animals.

Oral and skin exposure of pregnant animals to similar oils has injured or been lethal to the unborn. The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

NA = Not Applicable  
NE = Not Established