

**IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

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**SAFETY DATA SHEET**

PRODUCT: Pelikan ink for: HP Thinkjet / Kodak Diconix 330C (1170)

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
Ethylene glycol	107-21-1	203-473-3	40-45	Xn	22
N-methyl-2-pyrrolidone	872-50-4	212-828-1	5-10	Xi	36/38
CI Direct Black 168	-	-	5-10	Xn	22,41,52/53

**3 HAZARDS IDENTIFICATION**

- ###
- Harmful if swallowed
  - Irritating to eyes
  - Can be absorbed through skin
  - See Section 4 & 16.1 for ingredient R-Phrases

**4 FIRST-AID MEASURES****CONTACT WITH SKIN**

- Wash affected area with plenty of soap and water
- Seek medical attention if irritation persists

**CONTACT WITH EYES**

- If substance has got into eyes, immediately wash out with plenty of water
- Seek medical attention if irritation persists

**INGESTION**

- Give water or milk to drink
- If swallowed, seek medical advice immediately and show this container or label (S46)

**INHALATION**

- Remove patient to fresh air
- Keep warm and at rest

**OTHER INFORMATION**

- See Section 11 - Toxicological Information

**5 FIRE-FIGHTING MEASURES**

- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- May give off noxious and toxic fumes in a fire

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**6 ACCIDENTAL RELEASE MEASURES**

- Shut off all ignition sources
  - Do not allow to enter public sewers and watercourses
  - Ventilate area
  - Absorb spillage in suitable inert material
  - See Section 13
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**7 HANDLING AND STORAGE****7.1 HANDLING**

- Avoid contact with skin & eyes
  - The usual precautions for handling chemicals should be observed
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**7.2 STORAGE**

- Keep in a cool, dry, well ventilated place
  - Keep out of reach of children (S2)
  - Keep away from food, drink and animal feeding stuffs (S13)
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**8 EXPOSURE CONTROLS / PERSONAL PROTECTION****8.1 GENERAL**

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- Wear nitrile gloves
  - Use good personal hygiene practices
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**8.2 EXPOSURE LIMITS**

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- ethylene glycol

Constituent Exposure Limit:

OES / LTEL --- ppm 52 mg/m<sup>3</sup>OES / STEL --- ppm 104 mg/m<sup>3</sup>(Germany) MAK 10 ppm 26 mg/m<sup>3</sup>(France) VLE 50 ppm 125 mg/m<sup>3</sup>

Can be absorbed through the skin

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- N-methyl-2-pyrrolidone

OES / LTEL 25 ppm 103 mg/m<sup>3</sup>OES / STEL 75 ppm 309 mg/m<sup>3</sup>(Germany) MAK 19 ppm 80 mg/m<sup>3</sup>

Can be absorbed through the skin

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- CI Direct Black 168

No exposure limits have been set for this substance

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Liquid, black, miscible with water
  - Perceptible odour
  - Boiling point ND deg C
  - Flash point NA deg C (CC)
  - pH 7.8
  - Density 1.082 g/cm<sup>3</sup> at 25 deg C
  - Vapour pressure 20 mbar
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**10 STABILITY AND REACTIVITY**

- Keep away from heat
  - Keep away from strong oxidizing substances
  - Decomposition products may include nitrogen and carbon oxides
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**11 TOXICOLOGICAL INFORMATION**

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Can be absorbed through skin
- Harmful if swallowed (R22)
- May cause gastrointestinal disturbances

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**12 ECOLOGICAL INFORMATION**

- Water Hazard Class 1 (Company)

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**13 DISPOSAL CONSIDERATIONS**

- This material and/or its container must be disposed of as hazardous waste
- Disposal should be in accordance with local, state or national legislation

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**14 TRANSPORT INFORMATION****14.1 REGULATIONS**

- Proper Shipping Name: NA

**14.2 GENERAL**

- Not classified as hazardous for transport

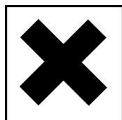
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**15 REGULATORY INFORMATION**

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- This product is covered by Dangerous Preparations Directive (1999/45/EC) as amended
- Refer to current CHIP Regulations
- Refer to current Gefährliche Stoffe Verordnung
- This Safety Data Sheet is provided in compliance with the Safety Data Sheets Directive (91/155/EC)

SYMBOL(S)



HARMFUL

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**15.1 RISK PHRASES**

- Harmful if swallowed (R22)
- Irritating to eyes (R36)

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**15.2 SAFETY PHRASES**

- Keep out of reach of children (S2)
  - Keep away from food, drink and animal feeding stuffs (S13)
  - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
  - If swallowed, seek medical advice immediately and show this container or label (S46)
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**16 OTHER INFORMATION**

- 16.1  
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- R22: Harmful if swallowed
  - R36/38: Irritating to eyes and skin
  - R41: Risk of serious damage to eyes
  - R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
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- 16.2
- The precise composition of this product is proprietary information. More details will be supplied in confidence to qualified medical personnel if specific treatment is necessary.
  - This product conforms to all known European chemicals safety legislation.
  - Water Hazard Class: 1 = slight, 2 = medium, 3 = severe hazard.
  - NA = not applicable; NC = not classified; ND = no data; TWA = time-weighted average.
  - LTEL = 8hr TWA; STEL = 15min TWA; ppm = parts per million.
  - ### = changes to section since last revision.
  - The above information relates only to the safety of the product designated, based on our current state of knowledge. No responsibility is accepted for any errors or omissions.
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