

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

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**SAFETY DATA SHEET**

PRODUCT: Pelikan ink for: Siemens PT80 (for OCR) (0800)

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
Diethylene glycol	111-46-6	203-872-2	45-50	Xn	22
N-methyl-2-pyrrolidone	872-50-4	212-828-1	5-10	Xi	36
2-dimethylaminoethanol	108-01-0	203-542-8	< 5	C	10,20/21/22,34,37
2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	30-35	Xi	36

**3 HAZARDS IDENTIFICATION**

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- Flammable
- Harmful if swallowed
- Irritating to eyes and skin
- 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**

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- 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

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**5 FIRE-FIGHTING MEASURES**

- In case of fire use water, carbon dioxide or dry agent (S43)
  - Do not use water jets
  - In case of fire, do not breathe fumes
  - May form explosive vapour/air mixtures
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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**

- Keep away from heat and sources of ignition
  - Avoid contact with combustible material
  - Use only in well ventilated areas (S51)
  - The usual precautions for handling chemicals should be observed
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**7.2 STORAGE**

- Keep in a cool, dry, well ventilated place
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**8 EXPOSURE CONTROLS AND 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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|--------------------------|---|
| • diethylene glycol      | Constituent Exposure Limit:<br>OES / LTEL 23 ppm 101 mg/m3<br>OES / STEL --- ppm --- mg/m3<br>(Germany) MAK 10 ppm 44 mg/m3     |
| • N-methyl-2-pyrrolidone | OES / LTEL 25 ppm 103 mg/m3<br>OES / STEL 75 ppm 309 mg/m3<br>(Germany) MAK 19 ppm 80 mg/m3<br>Can be absorbed through the skin |
| • 2-dimethylaminoethanol | OES / LTEL 2 ppm 7.4 mg/m3<br>OES / STEL 6 ppm 22 mg/m3   |
| ###                      | OES / LTEL --- ppm --- mg/m3<br>OES / STEL --- ppm --- mg/m3<br>(Germany) MAK --- ppm 100 mg/m3                                 |
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**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Liquid, black, partly miscible with water
  - Perceptible odour
  - May form explosive mixtures with air
  - Combustible
  - Boiling point ND deg C
  - Flash point ca 41 deg C (CC)
  - pH 9.3
  - Density 1.031 g/cm3 at 25 deg C
  - Vapour pressure ca 9.2 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**

- Irritating to eyes and skin (R36/38)
  - 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**

- Disposal should be in accordance with local, state or national legislation
  - This material and its container must be disposed of as hazardous waste (S60)
  - Disposal can be a hazardous operation, seek specialist advice
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**14 TRANSPORT INFORMATION****14.1 REGULATIONS**

- Proper Shipping Name: Printing Ink

## UN

UN No	:	1210	Hazard Class	:	3
Packing Group	:	III			

## Road / Rail (ADR / RID)

###	ADR UN No	:	1210	ADR Hazard Class	:	3
	ADR Item No	:	5(c)	ADR/RID No	:	HZ30
	Tremcard	:	ND			

## Sea (IMDG)

###	IMDG UN No	:	1210	IMDG Hazard Class	:	3
	IMDG Page No	:	3272-1	IMDG Pack. Group	:	III
	IMDG EmS	:	-	IMDG MFAG	:	-

## Air (ICAO / IATA)

ICAO UN No	:	1210	ICAO Hazard Class	:	3
ICAO Packing Group	:	III			

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**14.2 GENERAL**

- Transport Regulations apply as indicated in previous section
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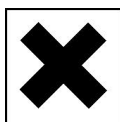
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**15 REGULATORY INFORMATION**

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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
- Refer to current VbF
- This Safety Data Sheet is provided in compliance with the Safety Data Sheets Directive (91/155/EC)

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**SYMBOL(S)**

HARMFUL

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**15.1 RISK PHRASES**

- Flammable (R10)
- Harmful if swallowed (R22)
- Irritating to eyes and skin (R36/38)

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**15.2 SAFETY PHRASES**

- Avoid contact with skin and eyes (S24/25)
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice (S26)
- Use only in well ventilated areas (S51)
- This material and its container must be disposed of as hazardous waste (S60)

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**16 OTHER INFORMATION****16.1 INGREDIENT R-PHRASES**

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- R10: Flammable
- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
- R22: Harmful if swallowed
- R34: Causes burns
- R36: Irritating to eyes
- R36/37/38: Irritating to eyes, respiratory system and skin
- R37: Irritating to respiratory system

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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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