

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY / UNDERTAKING

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SAFETY DATA SHEET

PRODUCT: Pelikan ink aqueous for: LCP,Printos Marsh (0893)

2 COMPOSITION / INFORMATION ON INGREDIENTS

	Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
###	2-butoxyethanol	111-76-2	203-905-0	5-10	Xn	20/21/22, 36/38
###	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	< 5	Xi	36

3 HAZARDS IDENTIFICATION

- ###
- No hazard expected under normal conditions of use
 - See Section 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
- Seek immediate medical attention

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
- Toxic and irritant fumes may be formed

6 ACCIDENTAL RELEASE MEASURES

- Shut off all ignition sources
 - Absorb spillage in suitable inert material
 - Ventilate the area and wash spill site after material pick-up is complete
 - See Section 13
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7 HANDLING AND STORAGE**7.1 HANDLING**

- 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**

- Use good personal hygiene practices
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8.2 EXPOSURE LIMITS

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- 2-butoxyethanol

Constituent Exposure Limit:

OES / LTEL 25 ppm --- mg/m3

OES / STEL 50 ppm --- mg/m3

(Germany) MAK 20 ppm 98 mg/m3

Can be absorbed through the skin

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- 2-(2-butoxyethoxy)ethanol

OES / LTEL --- ppm --- mg/m3

OES / STEL --- ppm --- mg/m3

(Germany) MAK --- ppm 100 mg/m3

9 PHYSICAL AND CHEMICAL PROPERTIES

- Liquid, black, aqueous solution
 - Perceptible odour
 - Non-combustible
 - Boiling point ND deg C
 - Flash point NA deg C (CC)
 - pH ca 8.3
 - Density ca 1.02 g/cm3 at 25 deg C
 - Vapour pressure ca 23 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
 - 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
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14 TRANSPORT INFORMATION**14.1 REGULATIONS**

- Proper Shipping Name: NA
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14.2 GENERAL

- Not classified as hazardous for transport
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15 REGULATORY INFORMATION

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- Not hazardous according to current Dangerous Preparations Directive (1999/45/EC)
 - Not hazardous according to current CHIP Regulations
 - Not hazardous according to current Gefährliche Stoffe Verordnung
 - Not classified as hazardous for users
 - The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents
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15.1 RISK PHRASES

- None assigned
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15.2 SAFETY PHRASES

- Keep container tightly closed (S7)
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16 OTHER INFORMATION**16.1 INGREDIENT R-PHRASES**

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- R20/21/22: Harmful by inhalation, in contact with skin and if swallowed
 - R36: Irritating to eyes
 - R36/38: Irritating to eyes and skin
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- 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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