

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY / UNDERTAKING

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SAFETY DATA SHEET

PRODUCT: Pelikan inks for: Epson Stylus Color (1832;1843;1851;1864)

2 COMPOSITION / INFORMATION ON INGREDIENTS

	Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
###	Diethylene glycol	111-46-6	203-872-2	5-10	Xn	22
###	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	5-10	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

CONTACT WITH EYES

- If substance has got into eyes, immediately wash out with plenty of water

INGESTION

- Give water or milk to drink
- Seek immediate medical attention

INHALATION

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

OTHER INFORMATION

- When in doubt or symptoms persist, seek medical attention

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

7 HANDLING AND STORAGE**7.1 HANDLING**

- The usual precautions for handling chemicals should be observed

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 plastic gloves
- Use good personal hygiene practices

8.2 EXPOSURE LIMITS

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- Diethylene glycol

Constituent Exposure Limit:

OES / LTEL 23 ppm 101 mg/m3

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

(Germany) MAK 10 ppm 44 mg/m3

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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, coloured, aqueous solution
 - Slight smell of alcohol
 - Non-combustible
 - Boiling point > 100 deg C
 - Flash point NA deg C (CC)
 - Melting point < 0 deg C
 - pH 8.0-8.7
 - Density 1.03-1.04 g/cm3 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

- By comparison with another product:
 - LD50 (oral,rat) 4150-8790 mg/kg
 - 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

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

15.1 RISK PHRASES

- None assigned

15.2 SAFETY PHRASES

- None assigned
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16 OTHER INFORMATION**16.1 INGREDIENT R-PHRASES**

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- R22: Harmful if swallowed
- R36: Irritating to eyes

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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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