

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

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SAFETY DATA SHEET

PRODUCT: ### Pelikan inks for: Epson Stylus Color 440/640/740/900 (2645;2651;2663;2673;3110;3120)

2 COMPOSITION / INFORMATION ON INGREDIENTS

| | Ingredients | CAS No. | EC No. | Weight % | Symbols | R-Phrases |
|-----|-----------------------------------|-----------|-----------|----------|---------|-----------|
| ### | Diethylene glycol | 111-46-6 | 203-872-2 | 10-20 | Xn | 22 |
| | 2-(2-butoxyethoxy)ethanol | 112-34-5 | 203-961-6 | 5-10 | Xi | 36 |
| | Triethanolamine | 102-71-6 | 203-049-8 | < 5 | Xi | 36/37/38 |
| | Ethoxylated tetramethyl-dicyndiol | 9014-85-1 | ND | < 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

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

8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 GENERAL**

- Use good personal hygiene practices

8.2 EXPOSURE LIMITS

- | | Constituent Exposure Limit: |
|-----------------------------------|---|
| • Diethylene glycol | OES / LTEL 23 ppm 101 mg/m ³ OES / STEL --- ppm --- mg/m ³ (Germany) MAK 10 ppm 44 mg/m ³ |
| • 2-(2-butoxyethoxy)ethanol | OES / LTEL --- ppm --- mg/m ³ OES / STEL --- ppm --- mg/m ³ (Germany) MAK --- ppm 100 mg/m ³ |
| • Triethanolamine | No exposure limits have been set for this substance |
| • Ethoxylated tetramethyldiacetyl | No exposure limits have been set for this substance |

9 PHYSICAL AND CHEMICAL PROPERTIES

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- Liquid, coloured, aqueous solution
- Perceptible odour
- Non-combustible
- Boiling point > 100 deg C
- Flash point NA deg C (CC)
- Melting point < 0 deg C
- Auto-ignition point ND deg C
- pH ca 8.0-9.6
- Density 1.05-1.07 g/cm³ at 25 deg C
- Vapour pressure ca 20 mbar
- Fat solubility ND kg/l
- Partition coefficient : n-Octanol/water ND

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

- Vapours or aerosols may cause irritation of eyes, nose and respiratory tract
- Can be absorbed through skin
- May cause gastrointestinal disturbances

12 ECOLOGICAL INFORMATION

- ###
- Water Hazard Class 1-2 (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

- 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

- None assigned
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16 OTHER INFORMATION

- 16.1
- R22: Harmful if swallowed
 - R36: Irritating to the eyes
 - R36/37/38: Irritating to eyes, respiratory system and skin
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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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