

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

DISTRIBUTOR: Pelikan Hardcopy European Logistics & Services GmbH  
Neue Strasse 19  
D-52382 Niederzier 2 Germany  
Telephone: +49 (0) 2428 830

ADMIN/TECH CENTRE: Pelikan Hardcopy (International) AG  
Gewerbestrasse 9  
CH-8132 Egg/ZH Switzerland  
Telephone: +41 (0) 1 986 1111



Emergency Telephone: +41 (0) 1 986 1111

**SAFETY DATA SHEET**

PRODUCT: Pelikan storage liquid for: Siemens Piezograph (2620)

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients	CAS No.	EC No.	Weight %	Symbols	R-Phrases
diethylene glycol	111-46-6	203-872-2	60-70	Xn	22
ethylene glycol	107-21-1	203-473-3	25-30	Xn	22

**3 HAZARDS IDENTIFICATION**

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- Harmful if swallowed
  - Can be absorbed through skin
  - See Section 11 & 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 advice

**INGESTION**

- Give water or milk to drink
- Seek medical advice

**INHALATION**

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

**OTHER INFORMATION**

- See Section 11 - Toxicological Information

**5 FIRE-FIGHTING MEASURES**

- In case of fire use water, carbon dioxide or dry agent (S43)
- Do not use water jets
- Toxic and irritant fumes may be formed

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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
  - 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 / 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/m <sup>3</sup><br>OES / STEL --- ppm --- mg/m <sup>3</sup><br>(Germany) MAK 10 ppm 44 mg/m <sup>3</sup>  |
| ###                 | • ethylene glycol<br>OES / LTEL --- ppm 52 mg/m <sup>3</sup><br>OES / STEL --- ppm 104 mg/m <sup>3</sup><br>(Germany) MAK 10 ppm 26 mg/m <sup>3</sup><br>(France) VLE 50 ppm 125 mg/m <sup>3</sup><br>Can be absorbed through the skin |
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**9 PHYSICAL AND CHEMICAL PROPERTIES**

- Liquid, colourless, miscible with water
  - Perceptible odour
  - May form explosive mixtures with air
  - Combustible
  - Boiling point ca 240 deg C
  - Flash point ca 140 deg C (CC)
  - pH 7-10
  - Density 1.0-1.2 g/cm<sup>3</sup> at 25 deg C
  - Vapour pressure <0.01 mbar
  - Fat solubility ND kg/l
  - Partition coefficient : n-Octanol/water ND
  - Viscosity ca 25 centipoise at 25 deg C
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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 NC (Company)
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**13 DISPOSAL CONSIDERATIONS**

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- 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: NA
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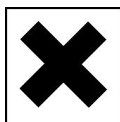
**14.2 GENERAL**

- Not classified as hazardous for transport
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**15 REGULATORY INFORMATION**

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- 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)
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**SYMBOL(S)**

HARMFUL

**15.1 RISK PHRASES**

- Harmful if swallowed (R22)
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**15.2 SAFETY PHRASES**

- This material and its container must be disposed of as hazardous waste (S60)
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**16 OTHER INFORMATION****16.1**

- R22: Harmful if swallowed
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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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