

IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY / UNDERTAKING

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SAFETY DATA SHEET

PRODUCT: Pelikan storage liquid: Siemens Piezograph

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

- 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

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 AND PERSONAL PROTECTION**8.1 GENERAL**

- 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:
OES / LTEL 23 ppm 101 mg/m ³
OES / STEL --- ppm --- mg/m ³
(Germany) MAK 10 ppm 44 mg/m ³ |
| • Ethylene glycol | OES / LTEL --- ppm 52 mg/m ³
OES / STEL --- ppm 104 mg/m ³
(Germany) MAK 10 ppm 26 mg/m ³
(France) VLE 50 ppm 125 mg/m ³
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/cm³ 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 0 (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: NA
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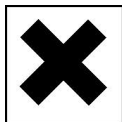
14.2 GENERAL

- Not classified as hazardous for transport
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15 REGULATORY INFORMATION

- 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 INGREDIENT R-PHRASES**

- 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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