

Safety Data Sheet
according to 1907/2006/EC**Roller Pen Ink GRP/5****Pelikan Vertriebsgesellschaft mbH & Co. KG****1. Identification of the substance/preparation and the company****Trade name:** Roller Pen Ink**Application of the substance/preparation:** Cartridges for roller ball pens**Manufacturer/Supplier:** Pelikan Vertriebsgesellschaft mbH & Co. KG**Street/PO. Box:** Postfach 11 07 55**Nat. Code/Location:** D-30102 Hannover Tel.: 0511-6969-0**Further information obtainable from:**

- Chemical Laboratory Tel.: 05171-299-0 Fax: 05171-299-249
- Institut für Umwelttechnik
Dr. Kühnemann und Partner GmbH Tel.: 0511-12194-0 Fax: 0511-12194-23
E-Mail: ifu@kuehnemann.de

Information in case of emergency: Tel.: 0511-12194-0 (Monday – Friday from 9 am till 5 pm)**2. Hazards identification****Hazard description:**

No dangerous preparation according to 1999/45/EC

No hazards if used for intended purpose

3. Composition / information on ingredients**Chemical characterization:**

Ink: aqueous solutions of dyestuff, glycol and additives

Dangerous components according to 1999/45/EC:

CAS-No.	EG-No.	Name	Classification Symbol R-phrases (Pkt. 16)		%
107-21-1		MONOETHYLENGLYKOLE	Xn	22	10

4. First aid measures**After inhalation:** Intake of fresh air**After skin contact:** Rinse with soap and water**After eye contact:** Rinse with water thoroughly. Seek medical advice if necessary**After swallowing:** Rinse mouth with water. Seek medical advice

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5. Fire-fighting measures

Suitable extinguishing agents: Powder, carbon dioxide, water mist

For safety reasons unsuitable extinguishing agents: Water jet

Special exposure hazards arising from the product itself, from combustion products or from resulting gases:

No special hazards known

Special protective equipment for fire-fighters: Use self-contained breathing apparatus

6. Accidental release measures

Person-related safety precautions: Avoid skin and eye contact

Measures for environmental protection: Do not empty into drains and waters

Measures for cleaning / collecting: Pick up with absorbent material and dispose according to point 13

7. Handling and storage

Handling: No special measures necessary

Storage: No special measures necessary

8. Exposure controls and personal protection

Ingredients with limit values that require monitoring at the workplace:

MONOETHYLENGLYCOL, CAS-Nr.: 107-21-1
Specification: TRGS 900 - German Occupational Exposure Limit Values
Value: 10 ppm / 26 mg/m³
Peak limitation: 2(l) duration 15 min, mean; 4 times per shift; interval 1 hour
There is no reason to fear a risk of damage to the developing embryo or foetus when AGW and BGW are adhered to.

Limit values of the European Union

MONOETHYLENGLYCOL, CAS-Nr.: 107-21-1
Specification: 2000/39/EG
Short-term limit value: 40 ppm / 104 mg/m³
8 hours limit value: 20 ppm / 52 mg/m³

Personal protective equipment Not necessary if used for intended purpose

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Form: liquid	Colour: blue, black	Odour: odourless
Boiling range: no data available		Flashpoint: n.a.
Ignition temperature n.a.		Vapour pressure: n.a.
Explosion limits: lower: n.a.		upper: n.a.
Density at 20°C: no data available		Viscosity at 25°C: app. 2,3 mm ² /s
Solubility in/miscibility with water: soluble		pH-value: 4,2 - 10

10. Stability and reactivity

Conditions/substances to be avoided:	Avoid contact with strong oxidizers
Dangerous decomposition products:	None known

11. Toxicological information

Acute toxicity (LD₅₀):	LD ₅₀ > 10 000 mg/kg (rat) (calculated)
Additional Information:	May cause irritation in the eyes

12. Ecological information

Ecotoxic effects:	Slightly endangering water
Mobility:	No data available
Persistence und biodegradability:	No data available
Bioaccumulation potential:	No data available
Evaluation of PBT-properties:	No chemical safety assessment required

13. Disposal consideration

Extensive amounts according to local regulations
Small residues: domestic waste
European waste catalogue: 15 01 02 Plastic Packaging

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14. Transport information

Land transport ADR/RID

UN-Nr.:	n.a.	Packaging group:	n.a.
Class:	n.a.	Limited quantity:	n.a.
Description of goods:	n.a.		
Hazard-determining component:	n.a.		

Maritime transport IMDG

UN-Nr.:	n.a.	Packaging group:	n.a.
Class:	n.a.	EmS:	n.a.
Proper shipping name:	n.a.	Marine Pollutant:	no
Hazard-determining component:	n.a.		

Air transport ICAO-TI and IATA-DGR:

UN-Nr.:	n.a.	Packaging group:	n.a.
Class:	n.a.		
Proper shipping name:	n.a.		
Hazard-determining component:	n.a.		

15. Regulatory information

Labelling according to 1999/45/EC:

Code letter and hazard designation of product
None

Hazard-determining component of labelling
None

R- phrases:	None
S-phrases:	None
Safety assessment:	Not required

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16. Other information

EU-guidelines / directives

Dangerous preparation directive (1999/45/EC), Dangerous substance directive (67/548/EWG),
REACH-directive (EC) Nr. 1907/2006

Restriction of application recommended by the manufacturer:

Not to be used by small children

R-phrases mentioned in chapter 2 or 3:

R 22: Harmful if swallowed

Alteration to last edition

Adaptation to REACH-directive (EC) Nr. 1907/2006

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
