

Safety Data Sheet
according to 1907/2006/EC**Fun Pen blue****Pelikan Vertriebsgesellschaft mbH & Co. KG****1. Identification of the substance/preparation and the company**

Trade name: Fun Pen, blue
Application of the substance/preparation: Writing instrument

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:**

Pen: plastic
Ink: solutions of alcohol, dyestuff and additives

Dangerous components according to 1999/45/EC (ink):

CAS-No.	Name	Classification Symbol R-phrases (Pkt. 16)	%
122-99-6	2-PHENOXYETHANOL	Xn 22, 36	25-50
100-51-6	BENZYL ALCOHOL	Xn 20/22	2,5-10
107-41-5	2-METHYLPENTANE-2,4-DIOL	Xi 36/38	2,5-10
90506-69-7	ETHYLHEXYL PHOSPHORIC ACID ESTER	C 34	2,5-10
52080-58-7	C.I. SOLVENT VIOLET 8	Xn, N 22, 41, 50/53	2,5-10
6786-83-0	C.I. SOLVENT BLUE 4	Xn 22	2,5-10

4. First aid measures (ink)

After inhalation: Intake of fresh air. In case of complaints consult a doctor
After skin contact: Rinse with soap and water
After eye contact: Rinse thoroughly with water. If necessary seek medical advice
After swallowing: Rinse mouth with water. Seek medical advice

Safety Data Sheet
according to 1907/2006/EC

Fun Pen blue

Pelikan Vertriebsgesellschaft mbH & Co. KG

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 (ink)

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 (ink)

Ingredients with limit values that require monitoring at the workplace:

2-PHENOXYETHANOL, CAS-Nr.: 122-99-6

Specification: TRGS 900 - German Occupational Exposure Limit Values

Value: 20 ppm / 110 mg/m³

Peak limitation: 2(l) duration 15 min, mean; 4 times per shift; interval 1 hour

Group C: There is no reason to fear a risk of damage to the developing embryo or foetus when AGW and BGW are adhered to.

2-METHYLPENTANE-2,4-DIOL, CAS-Nr.: 107-41-5

Specification: Recommendation of MAK-Commission

Value: 10 ppm / 49 mg/m³

Peak limitation: 2(l) duration 15 min, mean; 4 times per shift; interval 1 hour

Group D: A classification according to groups A-C is not possible, because either there is no data available or the available data is insufficient for a final evaluation

Limit values of the European Union No data available

Personal protective equipment Not necessary if used for intended purpose

Safety Data Sheet
according to 1907/2006/EC**Fun Pen blue****Pelikan Vertriebsgesellschaft mbH & Co. KG****9. Physical and chemical properties (ink)**

Form: fluid	Colour: blue	Odour: characteristic
Boiling point: 198°C		Flashpoint: 93°C.
Ignition temperature 260°C		Vapour pressure at 20°C: 0 hPa
Explosion limits: lower: 1,4 vol %		upper: 9 vol %
Density at 20°C: no data available		Viscosity at 25°C: app.18 500 mPas
Solubility in/miscibility with water: not soluble		pH-value: 5
Organic solvents: approx. 38%		

10. Stability and reactivity

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

11. Toxicological information (ink)

Acute toxicity (LD₅₀):	LD ₅₀ > 1980 mg/kg (rat) (LD ₅₀ for 2-PHENOXYETHANOL) LD ₅₀ > 700 mg/kg (rat) (LD ₅₀ for SOLVENT VIOLET 8)
Additional Information:	May cause irritation in the eyes

12. Ecological information (ink)

Ecotoxic effects:	Extremely hazardous for 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

Safety Data Sheet
according to 1907/2006/EC

Fun Pen blue

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14. Transport information

Land transport ADR/RID Fun Pen is no hazardous good

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: Not applicable for article Fun Pen

Code letter and hazard designation of product
None

Hazard-determining component of labelling
None

R- phrases: None

S-phrases: None

Safety assessment: Not required

Safety Data Sheet
according to 1907/2006/EC

Fun Pen blue

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16. Other information

EU-guidelines / directives

Dangerous preparation directive (1999/45/EC), Dangerous substance directive (67/548/EWG),
REACH-directive (EG) 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 20:	Harmful by inhalation
R 22:	Harmful if swallowed
R 34:	Causes burns
R 36:	Irritating to eyes
R 38:	Irritating to skin
R 41:	Danger of serious damage to the eye
R 50/53:	Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment

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.
