

SAFETY DATA SHEET

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 MSDS No.: PFHG-201702221
 Version: 001

**SECTION 1: Product and company identification**

This product is a writing instrument to be recognised as the Article. The materials used have been pre-registered according to 1907/2006/EC (REACH)

1.1 Product Name and Code	uWrite Gel Pen	Black	PFHG07BKXB
	uWrite Gel Pen	Royal Blue	PFHG07RBXB
	uWrite Gel Pen	Red	PFHG07RDXB
	uWrite Gel Pen	Green	PFHG07GRXB
	uWrite Gel Refill	Black	PFHG07BKX
	uWrite Gel Refill	Royal Blue	PFHG07RBX
	uWrite Gel Refill	Red	PFHG07RDX
	uWrite Gel Refill	Green	PFHG07GRX
1.2 Company identification	Name of supplier	J.F. PFEIFFER AG	
	Address	Seestrasse 346, 8038 Zürich, Switzerland	
1.3 Emergency contact information	Telephone number	+41 44 533 0207	E-mail address emergency@ag.pfeifferoffice.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture	: Classification according to Regulation (EC) No. 1272/2008 : The product is not classified according to the CLP regulation : Non-hazardous product as specified in Directive 67/548/EEC or 1999/45/EC
2.2 Label elements : Void	
2.3 Other hazards : Not applicable	

SECTION 3: Composition / information on ingredients

3.1 Chemical characterization	Component parts	: Ink (Mixture containing non-hazardous substances and colouring agents)
	Other parts	: Body (Materials used for pen and refill body are excluded from 'chemical substances')

SECTION 4: First aid measures

4.1 Description of first aid measures	General information	: No special measures required.
	After inhalation	: Supply fresh air; consult doctor in case of complaints.
	After skin contact	: In general the product is not known to irritate the skin.
	After eye contact	: Flush with eyes open for several minutes under running water.
	After swallowing	: If symptoms occur seek medical advice.
4.2 Most important symptoms and effects, both acute and delayed	: No further relevant information available.	
4.3 Indication for any immediate medical attention and special treatment needed	: No further relevant information available.	

SECTION 5: Firefighting measures

5.1 Extinguishing media	Suitable extinguishing agents	: CO2, powder or water spray. Use measures that suit the environment.
5.2 Special hazards arising from the components, substance or mixture		: No further relevant information available.
5.3 Advise for firefighters	Protective equipment	: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions	: Not available.
6.2 Environmental precautions	: Do not wash into shower or water way.
6.3 Methods of cleaning up	: Wipe off by dry cloth and wash with water. In accordance with national, state and local regulations.

SECTION 7: Handling and storage

- 7.1 Precaution for safe handling : No special measures required. Store and handle in accordance with all current regulations and standards.
: Keep separate from incompatible substances.
- 7.2 Handling Technical measures : Do not swallow ink.
: Recap after use.
: Do not shake.
: Keep out of the reach of infants.
- 7.3 Storage: Technical measures : Keep away from oxidizing materials, ignition sources and high temperatures.
Storage condition : Avoid direct sunlight.
: Store in cool to moderate temperatures.
: Recommended temperature: 0-30° C.

SECTION 8: Exposure controls / personal protection

- 8.1 Exposure control parameters : The product does not contain any materials with critical values that have to be monitored.
- 8.2 Personal protective equipment : Not required.

SECTION 9: Physical and chemical properties

- 9.1 Information of component parts : Ink
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|---|---|
| Physical state and form | : Liquid. |
| Colour | : According to product specification. |
| Odour | : No odour. |
| pH-value at 20° C | : 6.5 |
| Melting point | : Not determined. |
| Boiling point | : 90° C |
| Flash point | : 94° C |
| Flammability | : Not applicable. |
| Ignition temperature | : 400° C |
| Decomposition temperature | : Not determined. |
| Self-igniting | : Product is not self-igniting. |
| Danger of explosion | : Not determined. |
| Explosion limits | : Lower - Not determined; Upper - Not determined. |
| Vapour pressure at 20° C | : 23 hPa |
| Density at 20° C | : 1.07 g/cm ³ |
| Vapour density | : Not determined. |
| Solubility in / Miscibility with water | : Fully miscible. |
| Partition coefficient (n-octanol/water) | : Not determined. |
| Viscosity dynamic at 20° C | : 400 mPas |
| Solvent content | : Organic solvents 9.6%; Water 42.3% |
| Solids content | : 27.1% |
- 9.2 Other information : The physical and chemical properties given in Section 9.1 are rough data only, which are partially derived from the component's data of the mixture. These data are not binding product specifications.

SECTION 10: Stability and reactivity

- 10.1 Chemical stability : Stable.
- 10.2 Hazardous reactions : No dangerous reactions known.
- 10.3 Conditions to avoid : No further relevant information available.
- 10.4 Incompatible materials : No further relevant information available.
- 10.5 Hazardous decomposition products : No known data.

SECTION 11: Toxicological information

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| 11.1 Information on toxicological effects | : No acute toxicity. | Primary irritant effect | : No irritant effect. |
| | | Skin corrosion / irritation | : No irritant effect. |
| | | Serious eye damage / irritation | : No irritant effect. |
| | | Respiratory or skin sensitisation | : No known sensitising effects. |
- 11.2 Additional toxicological information : The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
- : When used and handled according to specifications, the product does not have any harmful effects in our experience and with the information which has been provided to us.

SECTION 12: Ecological information

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| 12.1 Aquatic Toxicity | : No further relevant information available. |
| 12.2 Persistence and degradability | : No further relevant information available. |
| 12.3 Bioaccumulative potential | : No further relevant information available. |
| 12.4 Mobility in soil | : No further relevant information available. |
| 12.5 Results of PBT and vPvB assessment | : PBT - Not applicable. vPvB - Not applicable. |
| 12.6 Other adverse effects | : No further relevant information available. |

SECTION 13: Disposal considerations

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| 13.1 Waste treatment methods | : Follow all regulations specific to country of use. |
| | : Non-hazardous waste. |
| | : Can be disposed of with household waste. |
| 13.2 Contaminated packaging | : Not applicable. |

SECTION 14: Transport information

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| 14.1 UN-Number - ADR, ADN, IMDG, IATA | : Void |
| 14.2 UN proper shipping name - ADR, ADN, IMDG, IATA | : Void |
| 14.3 Transport hazard class (es) - ADR, ADN, IMDG, IATA - Class | : Void |
| 14.4 Packing group - ADR, IMDG, IATA | : Void |
| 14.5 Environmental hazards - Marine pollutant | : No |
| 14.6 Special precautions for user | : Not applicable. |
| 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | : Not applicable. |
| 14.8 UN "Model Regulation" | : - |

SECTION 15: Regulatory information

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| 15.1 Safety, health and environmental regulations / legislation | : In accordance with "Safety of Toys" Part 9 (EN71-3). |
| | : Does not contain detrimental metallic elements.
(Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium) |

SECTION 16: Other information

This information is based on our knowledge to date.

However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Moreover the attention of the users is drawn to the possible risks, when a product is used for utilization other than those for which it is intended.

End of SDS