

MATERIAL HEALTH & SAFETY DATA SHEET



VIVAPEN d.o.o., Gaji 41, 3000 CELJE Slovenija
Tel.:00 386 3 4258 720, Fax.:00 386 3 4258 745
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1. IDENTIFICATION OF THE COMPANY AND OF THE SUBSTANCE

VIVAPEN d.o.o., Gaji 41, 3000 CELJE Slovenija
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Fountain pen inks Blue Nr.103395, Red Nr.102495, Green Nr.103444, Turquoise Nr.103443,
Yellow Nr.101205, Orange Nr.101215, Purple Nr.101206, Pink Nr.101208,
Blue-black Nr.103456, Black Nr.101659, Brown Nr.102271

2. COMPONENTS AND CHEMICAL INGREDIENTS

Water solution of color dyes which are permitted to colour foodstuffs, besides and addition of glycerine, polyglycols and preservatives

3. HAZARD IDENTIFICATION OF THE PREPARATION

Hazard identification: NA

No danger during normal condition of use recognized.

4. FIRST AID MEASURES

General: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation: NA
Skin contact: Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners.
Eye contact: Irrigate copiously with clean, fresh water for 10 minutes, holding the eyelids apart and seek medical advice.
Ingestion: If accidentally swallowed (a lot) seek medical advice. Keep at rest. Do NOT induce vomiting.

5. FIRE-FIGHTING MEASURES

Small qty with water extinguish, bigger qty with suitable liquid extinguish.

6. ACCIDENTAL RELEASE MEASURES

Avoid breathing vapours.
Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite and place in container for disposal according to local regulations (see section 13). Do not allow to enter drains or watercourses. Clean preferably with a detergent, avoid use of solvents.
If the products contaminates lakes, rivers or sea wages, inform authorities in accordance with local regulations.

7. HANDLING AND STORAGE

Store between 5 and 30 celzious degrees in a dry place, away from oxidising agents, strongly alkaline and strongly acid materials.

Storage class: none

No special recommendation for handling, just to use whole ink after activation of the ink cartridge to avoid leaking.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: not required
Hand protection: not required
Eye protection: not required
Body protection: not required

Engineering measures: NA
Exposure limitis: NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid	1.3 Colour:	s.o.	1.3 Odour:	none
Variation of aggregation:		Melting point:		0 °C	
		Boiling point:		100 °C	
Density		(20 °C)		g/cm ³	
				kg/m ³	
Head of steam		(20 °C)	ca.23	mbar	
		(°C)		mbar	
Viscosity		(20 °C)	ca.1	cp	
Solubility in water		(°C)		g/l	
pH-Value	g/l H2O	(°C)	depends of each colour of Ink		2 - 9
Inflammability	none				
Fire point	none				
Flash point	under:	n.a.	under:	n.a.	
Decomposition		none			
Waste by decomposition		none			
Dangerous reaction		none			
Future instructions					

10. STABILITY AND REACTIVITY

Stable under recommended storage and handling conditions (see section 7).

11. TOXICOLOGICAL INFORMATION

After long term expirience there is no special danger of using the article.
Acute oral toxic LD₅₀oral (rat): over 5000mg/kg (calculated with components)

12. ECOLOGICAL INFORMATION

There are no data available on the preparation itself. The products should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

Accounting to the official local and national rules.

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14. TRANSPORT INFORMATION

No special instruction.

ADR, ADNR, RID, IATA, IMDG: not dangerous, not labeling required

15. REGULATORY INFORMATION

Labeling is not required according to EEC regulations.

16. OTHER INFORMATION

The information in this Safety data Sheet is based on the present state of our knowledge and on current EEC and national laws, as the users working conditions are beyond our knowledge and control.

The product is to be used for writing. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation.

The information in this Safety data Sheet in mean as a decrisption of the safety requirements of our products:
IT IS NOT TO BE CONSIDERED AS A GUARANTEE OF THE PRODUCTS' PURPOSES.