

**Material Safety Data Sheet**  
**According to 91/155/EEC and following modifications**  
Issue date: 10 / 07 / 98    Rev. update: 06/04/05  
Data Sheet 84431Win Rev. n. 11

**1. Product and company identification**

Product Name: Ink jet Monoblock printhead, black FPJ20  
Product Code: 84431W  
Product description: Cartridges containing water based black ink, to use with fax and printer  
Company name: Olivetti S.p.a  
Via Jervis, 77  
10015 Ivrea (TO) - ITALY  
For information: tel. 0039 (0)125 522710  
Fax 0039 (0)125 522711  
e-mail: [supplies@olivettitecnost.com](mailto:supplies@olivettitecnost.com)  
For emergency: Centro Antiveleni-Ospedale Niguarda (Milano)  
0039 (0)2 66101029

**2. Composition / information on ingredients**

Chemical composition : water based ink  
Ingredients :

Chemical Name ( common name)	Weight %	CAS No.	Classification
2-pyrrolidone	6-8	616-45-5	Xn, R 22-36

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### **3. Hazards identification**

Most Important Hazards :	None.
Specific Hazards :	None.
Skin Contact:	Prolonged contact may cause skin irritation.
Eye Contact:	Accidental contact may cause eyes irritation.
Ingestion:	Unlikely in normal conditions of usage.
Inhalation:	Unlikely in normal conditions of usage.

### **4. First aid measures**

Skin Contact:	Remove the contaminated clothes immediately. Wash heavily with water and Marseilles soap. If the irritation persists, call a doctor.
Eye Contact:	Wash heavily with water, with open eyelid for 15 minutes at least. If eyes pain or redness persists, call an oculist. Don't use salve or eyewashes without eyes examination.
Inhalation:	Not applicable.
Ingestion:	Don't give nothing orally. Don't induce vomit. Take the patient to a first aid station. <u>Information for the doctor:</u> Activated vegetable coal dust is useful. Gastrolusis is suitable for ingestion of high quantity (2-3 ml/kg) within an hour from the accident, by protecting respiratory tract in case of serious cerebral insufficiency. Gastric mucous protectors and in case antiH2 are useful.

### **5. Fire – fighting measures**

Extinguishing Media:	Water, Foam, Powder, CO <sub>2</sub> .
Fire-Fighting Procedure:	Wear the respirator

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**6. Accidental release measures**

Personal Precautions:	In breach case of the packaging, wear protection dispositives for eyes and skin.
Environmental Precautions:	None.
Method for Cleaning Up:	Soak up with a wet cloth. Remove traces of ink with a wet cloth.

**7. Handling and storage**

Handling:	Avoid the ingestion, the contact with eyes and skin. Keep away from children.
Storage:	Keep closed and store in a cool, dry and dark place.

**8. Exposure controls/personal protection**

Respiratory protection:	Protection is not required under normal usage.
Eye protection:	Protection is not required under normal usage.
Hand protection:	Protection is not required under normal usage.

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### **9. Physical and chemical properties**

Appearance:	Water based black ink.
Odour :	Odourless
pH :	8-9
Boiling Point:	100 °C
Melting Point:	Not applicable
Flash Point:	Not applicable
Explosive Property :	Not applicable
Comburent property:	Not applicable
Vapour pressure:	Not applicable
Viscosity @ 25° C:	1.24 cps
Water Solubility :	totally miscible
Density @ 20° C:	1.0 (water=1)

### **10. Stability and reactivity**

Stability :	Stable under normal usage and storage.
Conditions to avoid:	Avoid the exposure to high temperatures.
Incompatible substances:	Oxidizing substances.
Hazardous Decomposition Products:	Carbon and nitrogen oxides.

### **11. Toxicological information**

Acute oral toxicity :	> 2000mg/kh.
Acute dermal toxicity:	> 2000mg/kh.
Skin sensitisation:	None.
Eye irritation:	Not irritant.
Skin irritation:	Not irritant.
Mutagenicity (Ames test) :	Negative.

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**12. Ecological information**

No data available.  
Do not dispose in the environment.

**13. Disposal considerations**

The waste cartridge must be disposed in according to enforced norms.

**14. Transport information**

No Special Precautions.

**15. Regulatory information**

EU Information

Label information according to the Directives 67/548/EEC and 1999/45/EEC.

Symbol and Indication :	Not required.
R-Phrase :	Not required.
S-Phrase :	Not required.
Dangerous components:	None

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**16. Other information**

To the best of our knowledge, the information contained herein is accurate.  
However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.

<Abbreviation>

ACGIH:	American Conference of Governmental Industrial Hygienists.
EPA :	Environmental Protection Agency(USA).
IARC:	International Agency for Research on Cancer.
ILO:	International Labour Office.
JAOH:	Japan Society for Occupational Health.
MAK :	MAK(Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.
NTP :	National Toxicology Program.
OSHA:	Occupational Safety and Health Administration.
TRGS:	Technische Regeln für Gefahrstoffe(Deutsche).
UN :	United Nations.

R phrases definitions:

22	Injurious for ingestion
36	Irritating to eyes

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