

MATERIAL SAFETY DATA SHEET

Data sheet : B0380in

(according to 91/155/CEE,2001/58CE)

Issue date: 10/07/00

Date: 09/01/03

Rev. nr. 4 updated 08/01/03

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1. Identification of product and company

Product name: **Colour inkjet cartridge FJ32**

Product description: Monobloc printhead containing water based C/M/Y inks.

Product code: **B0380 (METRO Art.Nr. 8020334254049)**

Product to be used with: **JET LAB 400**

Company name: Olivetti Tecnost S.p.A.
Via Jervis 77
10015 Ivrea (TO)

For information: Tel. 0039 0125 525490
Fax 0039 0125 525494
e-mail : supplies@olivettitecnost.com

For emergency: Centro Antiveleni-Ospedale Niguarda (Milano)
0039 02 66101029

2 Composition/information on ingredients

Name	Concentration	CAS Number
Cyan, yellow and magenta dyes	0-4 %	Proprietary (TSCA listed) Proprietary (TSCA listed) 3520-42-1
Propylene glycol	15-25 %	57-55-6
Biocide	< 0.2 %	55965-84-9 107-21-1 50-00-0
Water	> 70 %	

3. Hazard identification

Contact with skin: *Prolonged contact may cause skin irritation.*

Contact with eyes: *Accidental contact may cause eyes irritation.*

Inhalation: *Unlikely in normal conditions of usage.*

Ingestion: *Unlikely in normal conditions of usage*

Information on Hazard: *Not classified dangerous according 1999/45EEC*

4. First aid measures

Contact with skin: *Remove the contaminated clothes immediately. Wash heavily with water and Marseilles soap. If the irritation persists, call a physician.*

Contact with eyes: *Wash heavily with water with open eyelid for 15 minutes at least. If eyes pain or redness persists, call an oculist. Don't uses ointments or eyewashes without eyes examination.*

Inhalation: *Not applicable.*

Ingestion: *Don't give anything orally. Don't induce the vomit. Take the patient to a first aid station.*
Information for the physician: 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.

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5. Fire fighting measures

Extinguishing media: *Water, foam, CO₂ and powder.*

Special procedures to fight fire: *None*

Explosion or fire hazards: *None in normal conditions of storage and usage.*

6. Accidental release measures

Personal protection: *Not required in normal conditions of usage.*

Environmental precautions: *None.*

Clean-up method: *Soak up with suitable cloth. Remove traces with wet cloth.*

7. Handling and storage

Handling: *Avoid ingestion. Keep away from the reach of children.*

Storage: *Store in a fresh and dry room. Keep closed the container.*

8. Exposure controls and personal protection

Precautions measures: *Not required.*

Personal protection: *Not required.*

9. Physical and chemical properties

Appearance: *Water based cyan, yellow and red inks.*

Odour: *None.*

pH: *7.5-7.7*

Boiling point: *Approx. 100 °C.*

Melting point: *Not applicable.*

Flash point: *Not applicable.*

Autoignition point: *Not applicable.*

Explosive properties: *Not applicable.*

Comburent properties: *Not applicable.*

Vapour pressure: *Not available.*

Viscosity @ 25 °C: *2.40-2.50 cps.*

Density @ 20 °C: *Approx. 1.0 (H₂O=1)*

Water solubility: *Completely.*

10. Stability and reactivity

Stability: *Stable.*

Conditions to avoid: *None.*

Incompatible materials: *Strong oxidizers.*

Dangerous decomposition products: *Carbon and nitrogen oxides.*

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11. Toxicological information

Experimental results are relative to specific tests performed according to applicable standards. Tests performed by Laboratories approved by Italian Health Ministry.

Oral toxicity (LD ₅₀)	>2000 mg/Kg*
Dermal toxicity (LD ₅₀)	>2000 mg/Kg*
Eye irritating effect:	<i>non irritant *</i>
Skin irritating effect	<i>non irritant *</i>
Skin sensitising effect	<i>negative*</i>
Mutagenicity (Ames test):	<i>negative*</i>

*Yellow, cyan and magenta inks.

12. Ecological information

No data are available as to its effect on the environment.

Avoid uncontrolled disposal

13. Disposal considerations

The waste cartridge must be disposed of according to federal, state and local laws.

14. Transport information

Not required.

15. Regulatory information

Label information according to 67/548/EEC 88/379/EEC and 2001/59EC Directives

Symbol: *Not required.*

R-phrase: *Not required.*

S-phrase: *Not required.*

Dangerous components: *None.*

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16. Other information

This sheet contains information required as per applicable European Directives 88/379/EEC, 92/32/EEC, 91/155EEC 2001/58EC and following upgrades.

The information contained herein relates only to the referred product as manufactured and put into the market, and is not valid for other combinations of same materials.

This information adds to those contained in the 'Instructions of use' for same product, but does not substitute them.

Such information is based on data considered to be as accurate as possible at the date of issue.

It is the user's responsibility to determine the suitability of such information for his intended use.

<Abbreviation>

ACGIH (TLV) : American Conference of Governmental Industrial Hygienists (Threshold Limit Value)

CAS :Chemical Abstracts Service (79/831 EEC)

C.I. :Colour index

EPA :Environmental Protection Agency (USA)

IARC :International Agency for Research on Cancer

ILO :International Labour office

JAHO : Japan Society for Occupational Health

MAK :MAK (Maximale Arbeitsplatzkonzentrationen) under Deutsche Forschungsgemeinschaft.

NTP :National Toxicology Program (USA)

OSHA (PEL) :Occupational Safety and Health Administration (Permissible Exposure Limit)

TSCA :Toxic Substances Control Act (USA)

TRGS :Technische Regeln fur Gefshrstoffe (Deutsche)

UN :United Nations