

MATERIAL SAFETY DATA SHEET

Data sheet : B0381Din

(according to 91/155/EEC)

Issue date: 04/10/01

Rev. n. 3 updated 06/04/05

Date: 16/10/2007

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1. Identification of product and company

Product name: **Toner Copier d 25 – 35**

Product description: Cartridge containing toner powder.

Product code: **B0381D**

Product to be used with: Olivetti Copier d 25 – 35 - 40

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

For information: Tel. 0039 0125 522710

Fax 0039 0125 522711

e-mail : supplies@olivetti.com

For emergency: Tel. 0039 0125 522710

2 Composition/information on ingredients

Name	Concentration weight %	CAS Number
Acrylic copolymer	55	27136-15-8
Iron oxide	40	1309-38-2
Charge controlling agent	3	141091-64-7
Titanium dioxide	1	13463-67-7
Amorphous silica	1	7631-86-9

3. Hazard identification

Contact with skin: *Not irritating. Not toxic.*

Contact with eyes: *Dust of the product may cause eye irritation.*

Inhalation: *Dust of the product may cause lung irritation.*

Ingestion: *May cause irritation of the digestive tract*

Information on Hazard *No harmful ,toxic ingredients are contained.*

All ingredients are listed in EINECS except Silica

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: *Take the person to the fresh air. Give oxygen if the breath is difficult and apply artificial ventilation if the person doesn't breathe.*

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 or dry chemicals.*

Special procedures to fight fire: *In case of burning in large quantities, use self-contained breathing apparatus and protective gear*

Explosion or fire hazards: *None under normal storage and use conditions.*

6. Accidental release measures

Personal protection: *None.*

Environmental precautions: *None.*

Clean-up method: *Clean up with a vacuum cleaner.*

7. Handling and storage

Handling: *Avoid inhalation, ingestion, skin and eye contact. Keep away from the reach of children.*

Storage: *Keep in closed package.*

8. Exposure controls and personal protection

Control parameters < Reference data > :

Dusts :	ACGIH TLV(TWA): 3 mg/m ³ Respirable fraction	10 mg/m ³ Total dust
	OSHA PEL(TWA): 5mg/m ³ Respirable fraction	15 mg/m ³ Total dust
Amorphous silica	ACGIH TLV (TWA) 10mg/m ³	
	OSHA PEL(TWA): 80mg/m ³	
	DFG (MAK) : 4mg/m ³ inalable fraction	
	Symbol (CE):not required	
	R-phrase: (CE): not required.	

Precautions measures: *In normal conditions of employ, a good general aeration should be preferable.*

Personal protection: *Not requested in normal conditions of employ.*

9. Physical and chemical properties

Appearance: *Fine black powder.*

Odour: *Odourless.*

pH: *Not applicable.*

Boiling point: *Not applicable.*

Melting point: *130 °C*

Flash point: *Not available.*

Autoignition point: *Not available.*

Explosive properties: *None.*

Comburent properties: *None.*

Vapour pressure: *Not applicable.*

Density @ 20 °C: *1.0 (H₂O=1)*

Water solubility: *Negligible.*

Solubility in: *Not available.*

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10. Stability and reactivity

Stability: *Stable*

Conditions to avoid: *None*

Incompatible materials: *None*

Dangerous decomposition products: *CO and CO₂*

Hazardous polymerization: *None*.

11. Toxicological information

Oral toxicity (LD₅₀) *Not available.*

Dermal toxicity (LD₅₀) *Not available.*

Eye irritating effect *Not available.*

Skin irritating effect *Not available.*

Skin sensitising effect *Not available.*

Mutagenicity (Ames test): *Negative*

12. Ecological information

Not available.

13. Disposal considerations

The supply must be disposed of according to local law regulations in force.

14. Transport information

Special precautions are not required.

15. Regulatory information

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

Symbol: *Not required.*

R-phrases: *Not required.*

S-phrases: *Not required.*

Dangerous components: *None*

16. Other information

This sheet contains information required as per applicable European Directives 88/379/EEC and 92/32/EEC.

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.

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