

MATERIAL SAFETY DATA SHEET

Data sheet :B0439(1)in

(according to 91/155EEC,2001/58EC)

Issue date: 22/01/03

Date: 16/10/2007

Rev. n. 2 updated 06/04/05

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1. Identification of product and company

Product name: **Toner d Copia 120**

Product description: Plastic cartridge containing toner powder

Product code: **B0439**

To be used with: Olivetti Copiers d Copia 120/150

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

2 Composition/information on ingredients

Name	Concentration, weight %	CAS Number
Styrene-acrylate copolymer	35-45 %	29497-14-1
Styrene Homopolymer	35-45 %	9003-53-6
Iron oxide	5-10 %	1317-61-9
Carbon Black	5-10 %	1333-86-4
Polypropylene	1-5 %	9010-79-1
Paraffine	1-5%	8002-74-2
Metal complex dye*	<1%	109125-51-1 / 84179-66-8

Hazardous ingredients: *Substance EC n°400-110-2, Symbol letter :F , R Phrase: R11

3. Hazard identification

Contact with skin: *May cause slight irritation*

Contact with eyes: *May cause transient slight irritation.*

Inhalation: *Exposure to excessive amount of dust may cause physical irritation to respiratory tract.*

Ingestion: *Ingestion is a minor route of entry for intended use of this product.*

Information on Hazard: *Not classified as dangerous. (1999/45/EEC)*

Chronic effects: *Prolonged inhalation of excessive amounts of dust may cause lung damage. Use of this product as intended does not result in inhalation of excessive amounts of dust*

Specific Hazards: *Dust explosion (like most finely divided organic powders)*

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.*



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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. Gastrolysis 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, CO₂ or dry chemicals extinguisher.*

Special procedures to fight fire: *None*

Explosion or fire hazards: *Improbable under normal use.*

Can form explosive dust-air-mixture when finely dispersed in air

Hazardous combustion products: *CO₂, CO, NO_x*

6. Accidental release measures

Personal protection: *Avoid inhalation ,ingestion, eye and skin contact in case of accidental toner release.*

Environmental precautions: *Do not wash away into sewer*

Clean-up method: *Gather the released toner, spilled powder on to paper and carefully transfer into a waste container .Clean remainder with wet paper, wet cloth or a vacuum cleaner.
If a vacuum cleaner is used ,it must be rate as a dust explosion-proof type. Fine powder can form explosive dust-air*

7. Handling and storage

Handling: *Never open the toner container Avoid breathing dust*

Storage: *Keep the toner container tightly closed and store, in a cool and dry place keeping away from fire. Keep out of the reach of children. Keep away from oxidizing materials*

8. Exposure controls and personal protection

Control Parameters<Reference data>:

Dusts: *ACGIH TLV(TWA): 3 mg/m³ Respirable fraction 10 mg/m³Total dust*

OSHA PEL(TWA): 5mg/m³ Respirable fraction, 15 mg/m³Total dust

Carbon Black: *ACGIH TLV (TWA) 3,5mg/m³*

OSHA PEL(TWA): 3,5mg/m³

Symbol (EC):not listed

R-Phrase(EC):not listed

Precautions measures: *Respiratory protection is not required under intended use*

Eye/face protection is not required under intended use

Skin protection is not required under intended use

Ventilation: *Not required under intended use*

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9. Physical and chemical properties

Appearance:	<i>Fine black powder.</i>
Odour:	<i>Odorless</i>
pH:	<i>Not applicable.</i>
Boiling point:	<i>Not applicable.</i>
Melting point:	<i>Not applicable</i>
Decomposition temperature	<i>No data</i>
Explosive properties:	<i>Can form explosive dust-air mixtures when finely dispersed in air.</i>
Vapour pressure:	<i>Not applicable.</i>
Density @ 20 °C:	<i>1,1 (H₂O= 1)</i>
Water solubility:	<i>Insoluble.</i>
Fat Solubility:	<i>N. A.</i>

10. Stability and reactivity

Stability / Reactivity: *Stable under normal use.*
Dangerous decomposition products: *CO,CO₂,NO_x*
Hazardous polymerization : *will not occur*
Conditions to avoid: *Electric discharge ,throwing into fire.*

11. Toxicological information

Acute oral toxicity (LD ₅₀):	<i>>2000 mg/Kg</i>
Acute dermal toxicity (LD ₅₀):	<i>>2000 mg/Kg</i>
Acute eye irritating effect:	<i>Not irritant</i>
Skin irritating effect	<i>Not irritant</i>
Skin sensitising effect	<i>Negative</i>
Mutagenicity (Ames test):	<i>Negative</i>

12. Ecological information

Avoid uncontrolled disposal.
No data available

13. Disposal considerations

The cartridge must be disposed of according to local law regulations .
Don't incinerate toner and toner container. Dangerous spark may cause burn.
Finely dispersed particles form explosive mixture in air

14. Transport information

Special precautions are not required.

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15. Regulatory information

Label information according to 67/548/EEC, 88/379/EEC,2001/59EC directives and following updates

Symbol: *Not required.*

R-phrase: *Not required.*

S-phrase: *Not required.*

Hazardous ingredients : *Substance with EC n° 400-110-2, Symbol letter :F , R Phrase: R11*

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

Symbol (EC) : F , Highly flammable

R-Phrase (EC): R11, Highly flammable

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