

Material Safety Data Sheet
According to 91/155/EEC and following modifications
Issue date: 12/07/04 Rev. update: 06/04/05
Data sheet B0446in Rev.n. 1

1. Product and company identification

Product Name: **TONER d-COPIA 16**

Product description: Black Toner for digital copier

Product code: **B0446**

Company name: Olivetti S.p.a
Via Jervis, 77
10015 Ivrea (TO) - ITALY

For information: tel. 0039 (0)125 522710
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For emergency: Centro Antiveleni-Ospedale Niguarda (Milano)
0039 (0)2 66101029

2. Composition / information on ingredients

Substance or preparation ; Preparation
Ingredients;

Chemical Name(Common Name)	CAS No.	Weight %
Styrene acrylate copolymer-1	-	50-60
Magnetite	-	30-40
Styrene acrylate copolymer -2	-	1-5
Titanium oxide	13463-67-7	1-5
Silica	7631-86-9	1-5

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3. Hazards identification

Most Important Hazards :	None.
Specific Hazards :	None.
Other Information on Hazards:	Potential Health Effects.
Ingestion:	Ingestion is not applicable route of entry for intended use.
Inhalation:	Prolonged inhalation of excessive dusts may cause lung damage. Use of this product, as intended, does not result in inhalation of excessive dusts.
Eye Contact:	May cause eye irritation.
Skin Contact:	Unlikely to cause skin irritation.

4. First aid measures

Inhalation :	Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such a symptoms as coughing.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush with water immediately and see a doctor if irritating.
Ingestion:	Rinse out the mouth. Drink one or two glasses of water to dilute. Seek medical treatment if necessary.

Fire – fighting measures

Extinguishing Media:	Water (Sprinkle with Water), Foam, Powder, CO ₂ or Dry Chemical Extinguisher.
Fire-Fighting Procedure:	Pay attention not to blow away toner powder. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

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Accidental release measures

Personal Precautions: Avoid the formation of dust and inhalation, ingestion, eye and skin contact in case of accidental toner release.

Environmental Precautions: No special precaution. Do not discharge into drains, rivers or the environment, dispose to an authorised waste collection point.

Method for Cleaning Up: Gather the released toner not to blow away and to wipe up with a wet cloth.

Handling and storage

Handling: Never open the toner container.

Storage: Keep the toner container tightly closed and store in a cool, dry and dark place keeping away from fire.
Keep away from children.

Exposure controls/personal protection

Control Parameters<Reference Data>:

ACGIH TLV(2000) : Titanium oxide 10mg/m³, Silica 10 mg/m³,
Total Dust 10mg/m³.

OSHA PEL(1993) : Titanium oxide 15mg/m³, Silica 5 mg/m³,
Total Dust 15mg/m³.

Protective Equipment: Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal use.

Ventilation : Ventilator is not required under normal use.

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9. Physical and chemical properties

Appearance:	Physical state: Solid Form: Fine powder Colour: Black Odour : Odourless
pH :	N.A.
Melting Point:	140 °C
Explosion Properties :	Dust explosion is improbable under normal use. Experimental explosiveness of toner is classified into the same rank such kind of powder as flour, dry milk and resin powder. according to the pressure rising speed.
Specific Gravity:	0.8 (Bulk density)
Solubility :	Almost insoluble in water.

Stability and reactivity

Stability/ Reactivity :	Stable under normal use.
Hazardous Decomposition Products:	None.

Toxicological information

Acute oral toxicity :	No data available.
Acute dermal toxicity:	No data available.
Acute inhalation toxicity:	No data available.
Acute eye irritation:	No data available.
Acute Skin irritation:	No data available.
Skin sensitisation:	No data available.
Mutagenicity :	Ames Test is Negative.
Reproductive Toxicity :	No reproductive toxicant, according to MAK, California Proposition 65, TRGS905 and EU Directive(67/548/EEC).
Carcinogenicity :	No carcinogen or potential carcinogen according to IARC, ACGIH, EPA, OSHA, NTP, ILO, MAK, California Proposition TRGS 905 and EU Directive(67/548/EEC).
Other information :	None.

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12. Ecological information

No data available.

Disposal considerations

Do not dispose of the waste toner container as domestic, general waste.
Do not incinerate toner and toner containers. Dangerous sparks may cause burn.

Transport information

UN No.:	None.
UN Shipping Name:	None.
UN Classification :	None.
UN Packing Group :	None.
Special Precautions:	None.

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.

All components in this product comply with order under 67/548/EEC.

US Information

All components in this product comply with order under TSCA.

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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.

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