

# Material Safety Data Sheet

According to 91/155/EEC and following modifications

Issue date: 18/10/04 update: 06/04/05

Data sheet B0488in Rev. n.1

## 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** TONER d-Copia 250MF  
**Code number:** B0488  
**Product description:** Black toner for electrophotographic printing systems.  
**Company name:** Olivetti S.p.A.  
Via Jervis 77  
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Fax 0039 (0)125 522711  
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**For emergency:** Centro Antiveleni-Ospedale Niguarda (Milano)  
0039 (0)2 66101029

## 2. Composition / information on ingredients

### Substance/ preparation: preparation

Chemical name*	% weight	CAS number	EINECS number
Styrene acrylate copolymer-1	50-60	-	-
Magnetite	30-40	1317-61-9	215-277-5
Styrene acrylate copolymer-2	1-5	-	-
Titanium oxide	1-5	13463-67-7	236-675-5
Silica, amorphous	1-5	7631-86-9	231-545-4

See section 16 for the full text of the R phases declared above

\*Occupational Exposure Limit(s), is available, are listed in section 8

## 3. Hazards identificatin

The preparation has not been classified as a dangerous according to directive 1999/45/EC and its amendments.

**Skin contact:** Unlikely to cause skin irritation.  
**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.



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### 4. **First – aid measures**

#### **First-aid measures**

<b>Inhalation:</b>	If inhaled, remove to fresh air and gargle with plenty of water. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion:</b>	Rinse out the mouth. Drink one or two glasses of water to diluite. Seek medical treatment if necessary.
<b>Skin contact:</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Eye contact:</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

### 5. **Fire – fighting measures**

#### **Extinguishing media**

<b>Suitable:</b>	SMALL FIRE: use DRY chemical powder. LARGE FIRE: use water spry, fog or foam. Do not use water jet.
<b>Hazardous thermal de composition products:</b>	These product are carbon oxides (CO <sub>2</sub> ,CO). Some metallic oxides.
<b>Special fire – fighting procedures:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<b>Protection of fire-fighters:</b>	Be sure to use an approved/certified respirator or equivalent.

### 6. **Accidental release measures**

<b>Personal precautions:</b>	Avoid inhalation, ingestion, eye and skin contact in case of accidental toner release.
<b>Environmental precautions and clean-up methods:</b>	No special precaution. Do not discharge into drains, rivers or the environment, dispose to an authorised waste collection point. Gather the released toner not to blow away and to wipe up with a wet cloth.

NOTE: see section 8 for personal protective equipment and section 13 for waste disposal.

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### 7. Handling and storage

#### Handling

Keep locking up. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container on the label.

#### Storage:

Keep container tightly closed and store in a cool, dry and well-ventilated area.

#### Packaging materials

#### Recommended use

Use original container.

### 8. Exposure controls/personal protection

#### Ventilation:

Ventilation is not required under normal use,

#### Hygiene measures:

Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

#### Occupational Exposure limits

10 mg/m<sup>3</sup> TWA particulates not otherwise specified (Inhalable fraction).

#### ACGIH:

3 mg/m<sup>3</sup> TWA particulates not otherwise specified (Respirable fraction).

5 mg/m<sup>3</sup> TWA iron oxide dust & fume (Fe<sub>2</sub>O<sub>3</sub>), as Fe.

10 mg/m<sup>3</sup> TWA titanium dioxide.

#### Personal protective equipment

Not necessary for the normal use. In case of accidental dispersion used respiratory protection, eye protection, hand and body protection.

### 9. Physical and chemical properties

Physical state:	Solid ( fine powder )
Color:	Black
Ph	Not applicable
Odor:	Odorless
Melting point:	140°C
Explosive properties:	Dust explosion is improbable under normal use. Experimental explosiveness of toner is classified into the same rank such kind of as flour, dry milk and resin powder according to the pressure rising speed.
Specific Gravity:	0.8 (Bulk density)
Solubility:	Almost insoluble in water.

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### 10. Stability and reactivity

**Stability:** The product is stable under normal use.  
**Hazardous decomposition products:** In case of thermal decomposition it can produce carbon oxides (CO, CO<sub>2</sub>). Some metallic oxides.

### 11. Toxicological information

**Acute toxicity:** No data available.

**Local effect:** No irritant for skin and eye, according to EU Directive 67/548/EEC.

**Specific effects**

**Reproductive Toxicity** No reproductive toxicant, according to EU Directive 67/548/EEC.

**Carcinogenic effects:** No cancerogen or potential cancerogen, according to IARC, ACGIH and EU Directive 67/548/EEC.

**Mutagenicity:** Ames Test is negative.

### 12. Ecological information

No data available.  
Avoid spills and not disperse in environment.

### 13. Disposal considerations

Dispose in according to 75/442/CEE and following modifications (91/156/CEE, 91/692/CEE, 96/59/CE and 96/350/CE) and in according to:

- Directive 91/689/CEE dangerous waste
- Resolution 2000/532/CE and following modifications about institution of a new community waste's list
- Directive 94/62/CE about packages and package's waste.

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**14. Transport information**

No special precaution.

**15. Regulatory information**

**EU regulations**

Classification and labelling have been performed according to EU directives 67/548/EEC, 1999/45/EC including amendments and the intended use.

Symbol and Indication :	Not required.
R-Phrase :	Not required.
S-Phrase :	Not required.

**16. Other information**

Text of classifications appearing in section 2 – Europe :      None

Text of classifications appearing in section 2 – Europe :      None

<Abbreviation>

IARC:	International Agency for Research on Cancer.
ACGIH:	American Conference of Governmental Industrial Hygienists.

**Notice to reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazard are described herein, we cannot guarantee that these are the only hazard that exist.*

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