

Material Safety Data Sheet
In according to the Regulation (CE) n. 1907/2006 REACH
Issue date: 19/10/2011 data Rev. Date: 25/07/2016
Data Sheet B1011 in Rev. n. 1

1. Identification of the Product and of the Company

Product name: Toner cartridge d-Copia 3503MF/3504MF
Code number: B1011
Product description: Black toner
Company name: Olivetti S.p.A.
Via Jervis 77
10015 Ivrea (TO) - ITALY
For information: Tel. 0039 (0)125 775710
Fax 0039 (0)125 775711
e-mail : supplies@olivetti.com
For emergency: Centro Antiveleni-Ospedale Niguarda (Milano)
0039 (0)2 66101029

2. Hazards identification

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified as hazardous mixture
Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

3. Composition/information on ingredients

Substance [] Preparation [X]

Chemical name	CAS-No. CE-No. Index No.	Classification (67/548/CEE)	Classification (Regulation (EC) No 1272/2008)	Concentration [%]
Styrene acrylate copolymer (2 kinds)	++++	-	-	50 - 60
Magnetite	++++	-	-	40 - 50
Wax	++++	-	-	1 - 5
Titanium dioxide	13463-67-7	-	-	< 1

++++ Confidential information

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4. **First – aid measures**

Inhalation: Remove from exposure to fresh air and gargle with plenty of water. Consult a doctor in case of such 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.

Most important symptoms and effects, both acute and delayed

Inhalation: Prolonged inhalation of excessive dusts may cause lung damage. Use of this product as intended does not result in prolonged inhalation of excessive toner dusts.

Skin contact: Unlikely to cause skin irritation.

Eye contact: May cause transient eye irritation.

Ingestion: Use of this product as intended does not result in ingestion.

5. **Fire- fighting measures**

Suitable extinguishing Media: Water spray, foam, powder, CO₂ or dry chemical

Unsuitable extinguishing Media: None specified

Hazardous combustion products: Carbon dioxide. Carbon monoxide.

Advice for firefighters: Pay attention not to blow away dust. Drain water off around and decrease the atmosphere temperature to extinguish the fire.

6. **Accidental release measures**

Personal precautions: Avoid inhalation, ingestion, eye and skin contact in case of accidental release. Avoid formation of dust. Provide adequate ventilation.

Environmental precautions: Do not allow to enter into surface water or drains.

Methods for Cleaning-up: Gather the released powder not to blow away and wipe up with a wet cloth.

NOTE: See section 8 for personal protective equipment

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7. Handling and storage

- Handling:** Do not attempt to force open or destroy the toner container or unit.
- Storage:** Keep the toner container or unit tightly closed and store in a cool, dry and dark place keeping away from fire. Keep out of the reach of children.

8. Exposure controls/personal protection

US ACGIH Threshold Limit Values (TWA)

Particles: 10 mg/m³ (Inhalable particles), 3 mg/m³ (Respirable particles)

Titanium dioxide: 10 mg/m³

US OSHA PEL (TWA)

Particles: 15 mg/m³ (Total dust), 5 mg/m³ (Respirable fraction)

Titanium dioxide: 15 mg/m³ (Total dust)

Appropriate engineering controls: Special ventilator is not required under normal intended use.
Use in a well ventilated area.

Personal protective equipment: Respiratory protection, eye protection, hand protection, skin and body protection are not required under normal intended use.

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9. Physical and chemical properties

Physical state:	Solid (fine powder)
Color:	Black
Odour:	Odorless
Odor threshold:	N.A.
pH:	N.A.
Melting point (°C):	140 °C
Boiling point (°C):	N.A.
Flash Point (°C):	N.A.
Evaporation rate:	N.A.
Flammability (solid, gas):	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure:	N.A.
Vapour density:	N.A.
Relative density:	1.5 – 2.0 g/cm ³
Solubility(ies):	Almost insoluble in water
Partition coefficient: n-octanol/water:	N.A.
Auto-ignition temperature (°C):	N.A.
Decomposition temperature (°C):	N.A.
Viscosity:	N.A.
Explosive properties:	N.A.
Oxidising properties:	N.A.

10. Stability and reactivity

Reactivity:	N.A.
Chemical stability:	This product is stable under normal conditions of use and storage
Possibility of hazardous reactions:	Hazardous reactions will not occur
Conditions to avoid:	None specified
Incompatible materials:	None specified
Hazardous decomposition products:	Hazardous decomposition products are not to be produced.

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11. Toxicological information

Acute toxicity

Oral (LD₅₀): > 2500 mg/kg (rat)
(Based on test result of similar product) (Toner)

Dermal (LD₅₀): > 2000 mg/kg (rat)
(Based on test result of similar product) (Toner)

Inhalation (LC₅₀ (4 ore)): > 5,13 mg/l (rat)
(Based on test result of similar product) (Toner)

Skin corrosion/irritation

Acute skin irritation: Non-irritant (rabbit)
(Based on test result of similar product) (Toner)

Serious eye damage/irritation

Acute eye irritation: Mild irritant (rabbit)
(Based on test result of similar product) (Toner)

Respiratory or skin sensitisation

Skin sensitisation: Non-sensitiser (mouse)
(Based on test result of similar product) (Toner)

Germ cell mutagenicity

Ames Test in negative (Toner)

Carcinogenicity

No carcinogen or potential carcinogen according to IARC, Japan Association on Industrial Health, ACGIH, EPA, OSHA, NTP, MAK, California Proposition 65, TRGS 905 and (EC) No 1272/2008 Annex VI. (except titanium dioxide)

Chronic effects

In a study in rats by chronic inhalation exposure to a typical toner, a mild to moderate degree of lung fibrosis was observed in 92% of the rats in the high concentration (16 mg/m³) exposure group, and a minimal to mild degree of fibrosis was noted in 22% of the animal in the middle (4 mg/m³) exposure group. (*1)

But no pulmonary change was reported in the lowest (1 mg/m³) exposure group, the most relevant level to potential human exposures.

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12. Ecological information

Toxicity:	N.A.
Persistence and degradability:	N.A.
Potential of bioaccumulation:	N.A.
Mobility:	N.A.

13. Disposal considerations

Do not attempt to incinerate the toner container or unit and the waste toner yourself.

Dangerous sparks may cause burn.

Any disposal practice should be done under conditions which meet local, state and federal laws and regulations relating to waste

14. Transport information

UN No:	N.A.
UN Shipping Name:	N.A.
UN Classification:	N.A.
UN Packaging Group:	N.A.
Special Precaution:	N.A.

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15. Regulatory information

EU Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

- Regulation (EC) No 2037/2000 of the European Parliament and of the Council on Substances That Deplete the Ozone Layer: Not applicable
- Regulation (EC) No 850/2004 of the European Parliament and of the Council on Persistent Organic Pollutants and Amending Directive 79/117/EEC (POPs): Not applicable
- Regulation (EU) No 649/2012 of the European Parliament and of the Council on Concerning the Export and Import of Dangerous Chemicals (PIC): Not applicable
- Directive 2012/18/EU of the European Parliament and of the Council on the Control of Major-Accident Hazards Involving Dangerous Substances, Amending and Subsequently Repealing Council Directive 96/82/EC, (Seveso III): Not applicable
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council:
 - Annex XIV- List of Substances Subject To Authorization: Not applicable
 - Annex XVII- Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: Not applicable

For this product a chemical safety assessment was not carried out.

16. Other information

This Material Safety Data Sheet was prepared in according to the Regulation (CE) n. 1907/2006 REACH and EC Regulation n°1272/2008.

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

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.

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

Changes from the previous version:

- update section n.2
- update section n.4
- update section n.6
- update section n.9
- update section n.15