

Material Safety Data Sheet
 In according to the Regulation (CE) n. 1907/2006 REACH
 Issue date: 25/03/16
 Data Sheet B1194 in Rev. n. 0

1. Identification of the Product and of the Company

Product name: **Toner Cartridge Black d-COLOR MF223/MF283**
 Code number: **B1194**
 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 dangerous.

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling is applicable

Other hazards Dust explosion (like most finely divided organic powders)

3. Composition/information on ingredients

Name	Product identifier	Classification (67/548/EEC)	Classification (Regulation (EC) No 1272/2008 CLP)	Concentration [%]
Styrene acrylic resin	+++	Not classified	Not classified	60-70
Ferrite Iron oxide	(CAS No) 1309-37-1	Not classified	Not classified	5-15
Manganese oxide	(CAS No) 1344-43-0 (EC no) 215-695-8	Not classified	Not classified	1-10
Wax	+++	Not classified	Not classified	1-10
Carbon black	(CAS No) 1333-86-4 (EC no) 215-609-9	Not classified	Not classified	1-10
Wax-2	+++	Not classified	Not classified	1-10
Amorphous silica	(CAS No) 7631-86-9	Not classified	Not classified	1-10
Titanium dioxide	(CAS No) 13463-67-7 (EC no) 236-675-5	Not classified	Not classified	<1

* Occupational Exposure Limits are listed in section 8.

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4. First – aid measures

Ingestion:	Wash out mouth with water. Drink one or two glasses of water. If symptoms occur, get medical attention.
Inhalation:	Move victim to fresh air immediately. If symptoms occur, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for 15 minutes. If symptoms occur, get medical attention.
Skin contact:	Wash with water and mild soap.

5. Fire – fighting measures

Suitable Extinguishing Media:	CO ₂ , water spray, foam and dry chemical
Extinguishing Media to Avoid:	Full water jet
Fire and Explosion Hazards:	If dispersed in air, like most finely divided organic powders, may form an explosive mixture.
Protection of fire-fighters:	Use self-contained breathing apparatus (SCBA).

6. Accidental release measures

Personal precautions:	None
Environmental precautions:	None.
Methods for Cleaning-up:	Wear personal protective equipment (See Section 8). Vacuum or sweep material and place in a bag and hold for waste disposal. Use vacuum equipped with High Efficiency Particulate Air(HEPA) filter. Vacuum should be electrically bonded and grounded to dispel static electricity. To avoid dust generation, do not sweep dry.

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7. Handling and storage

Handling: Do not breathe dust. Avoid contact with eyes. Try not to disperse the particulates.

Storage: Keep container closed. Store in a cool and dry place. Keep out of reach of children.

8. Exposure controls/personal protection

Total dust	ACGIH-TLV	10 mg/m ³ (Inhalable particles) 3 mg/m ³ (Respirable particles)	TWA (mg/m ³)	10
Carbon black	ACGIH-TLV	3 mg/m ³	TWA (mg/m ³)	3
Titanium dioxide	ACGIH-TLV	10 mg/m ³	TWA (mg/m ³)	10
Manganese oxide	ACGIH-TLV	0,2 mg/m ³	TWA (mg/m ³)	1

Personal protective equipment: Not required under normal conditions. For use other than in normal operating procedures (such as in the event of large spill), goggles and respirators may be required.

Hygiene Measures: Wash hands after handling.

9. Physical and chemical properties

Physical state:	Solid
Appearance:	Powder
Colour:	Black
Odour:	Almost odorless
pH:	Not applicable
Boiling point (°C):	Not applicable
Melting point (°C):	No data available
Flash Point (°C):	Not applicable
Auto-Ignition Temperature (°C):	No data available
Upper/ lower flammability or explosive limits:	No data available
Explosion Properties:	No data available
Evaporation rate:	No data available
Vapor Pressure:	Not applicable
Vapor density:	Not applicable
Specific Gravity:	1.2
Solubility:	Insoluble in water
Partition Coefficient, n-Octanol/Water:	Not applicable
Decomposition temperature:	Not applicable

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10. Stability and reactivity

Reactivity:	None
Chemical stability:	Stable except above 200 °C
Possibility of hazardous reactions:	Dust explosion, like most finely divided organic powders.
Conditions to avoid:	Electric discharge, throwing into fire.
Incompatible materials:	Oxidizing materials.
Hazardous decomposition products:	CO, CO ₂ , Nox, smoke

10. Toxicological information

Acute Toxicity:

Ingestion(oral), LD50(mg/kg): >2000 (Rat)
Dermal, LD50(mg/kg): No data available

Inhalation, LC50(mg/l): >5.13 (Rat,4hour)

Eye irritation: Practically None irritant (Rabbit)
Skin irritation: None irritant (Rabbit)
Skin sensitizer: Non sensitizer (Mouse)

Mutagenicity: Negative(AMES test)
Teratogenicity: No data available

11. Ecological information

Toxicity	No data available
Persistence and degradability	No data available
Mobility	No data available

12. Disposal considerations

When disposing of the waste or recovered material, consult federal, state and/or local regulations for the proper disposal method.

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14. Transport information

Information on Code and Classifications According to International Regulations

UN Classification: None

Further information: Not a dangerous good under IATA or IMDG.

Hazchem code (Austl.): None

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 Regulation EC 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.

<Abbreviation>

ACGIH-TWA: Threshold Limit Value of American Conference of Government Industrial Hygienists