

**Material Safety Data Sheet**  
**In according to the Regulation (CE) n. 1907/2006 REACH**  
Issue date: 18/12/15  
Data sheet B3252 in Rev. n. 0

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

<b>Product name:</b>	<b>CARBONIUM BLACK</b>
<b>Code number:</b>	<b>B3252</b>
<b>Product description:</b>	Filament
<b>Company name:</b>	Olivetti S.p.A. Via Jervis 77 10015 Ivrea (TO) - ITALY
<b>For information:</b>	Tel. 0039 (0)125 775710 Fax 0039 (0)125 775711 e-mail : <a href="mailto:supplies@olivetti.com">supplies@olivetti.com</a>
<b>For emergency:</b>	Centro Antiveleni-Ospedale Niguarda (Milano) 0039 (0)2 66101029

**2. Hazards identification**

<b>Classification:</b>	The preparation is not classified as dangerous according to CEE 1999/45 and 67/548 directives and updates.
<b>Potential Health Effects:</b>	The preparation is considered harmless for human health as it is and when exposed to normal and predictable production process and storage. According with EU directives it is not dangerous. See section 4 and 11 for further information.
<b>Potential Environmental Effects</b>	The preparation in normal storage and processing conditions is inert and does not show environmental hazards.

**3. Composition / information on ingredients**

**The preparation is composed by:**

Polyamide charged carbon fiber.  
CAS N° N/A

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



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#### **4. First – aid measures**

**First-aid measures:**

- General information:** The measures indicated are referred to critical situations (fire, wrong process conditions). At ambient temperature the product is not irritating and does not release harmful smokes
- Inhalation:** In case of excessive smoke inhalation remove to fresh air. Seek medical attention. Keep the subject warm, and if necessary give artificial respiration.
- Ingestion:** Get immediate medical attention. Do not induce vomiting.
- Skin contact:** In case of melted product contact, flush area with large amounts of cold water. Do not remove consolidated product. Seek medical attention.
- Eye contact:** Immediately flush eyes with water for at least 15 minutes. Get medical attention.
- Specific instruments needed on workplace:** Eyewashes.

#### **5. Fire – fighting measures**

**Extinguishing media**

- Extinguishing Media:** Water spray, foam, chemical powder and carbon dioxide.
- Hazardous Combustion Products:** The preparation emits toxic fumes (CO and CO<sub>2</sub>) under fire and overheat conditions.
- Fire fighting procedures:** Wear self-contained breathing apparatus and full protection turn out gear. Use caution in approaching fire.

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

- Personal precautions:** Avoid walking on filaments to minimize slipping risk.
- Environmental precautions and clean-up methods:** Place waste in an appropriate labeled container for disposal. Do not discharge in sewerage. Collect with available mechanical media. Dispose properly.

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

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**7. Handling and storage**

**Handling** No specific risks for manipulation of the material at ambient temperature. Avoid inhalation of smokes during the production process.

**Storage:** Keep product away from heat sources, direct sunlight and humidity. Store in fresh and well ventilated areas. Keep away from flames and static electricity.

**8. Exposure controls/personal protection**

**Ventilation:** -  
**Hygiene measures:** -  
**Occupational Exposure limits**  
**Breathable powders:** N/A  
**Total powders:** N/A

**Personal protective equipment** Wear leather or nitrile rubber gloves if skin contact is possible.  
Wear safety glasses if eye contact is possible.  
General laboratory ventilation. In case of prolonged exposition, use protection according to directive 89/686/CEE.

**9. Physical and chemical properties**

<b>Aspect:</b>	Filament Physical
<b>State:</b>	Solid
<b>Color:</b>	Black
<b>Smell:</b>	Characteristic
<b>Melting point :</b>	>220° C
<b>Molecular Weight:</b>	circa 1.07 g/cm3

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**10. Stability and reactivity**

**Stability:** Stable  
**Conditions to avoid:** Direct sunlight and heat. Electrostatic charges. Avoid inhalation of smokes during the production process.  
**Materials to Avoid:** Oxidizing agents and fluorine.  
**Hazardous decomposition products:** No products known.

**11. Toxicological information**

**Oral toxicology:** DL 50>2000 mg/Kg (rat). Product has not been tested. Data from single components. Directive 1999/45/CE.

**12. Ecological information**

<b>Environmental Overview:</b>	The preparation can be mechanically separated.
<b>Bioaccumulation and Toxicity:</b>	Not determined. Avoid product dispersion, the preparation is not biodegradable.

**13. Disposal considerations**

<b>Disposal procedures:</b>	Observe European regulations (91/156/CEE, 91/689/CEE, 94/62/CEE) when disposing of this material.
<b>Packaging:</b>	Contaminated packaging materials must be considered as chemical remain. Clean packaging materials must be disposed according to local regulation.

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**14. Transport information**

No limitations existing. Non-dangerous material.

**15. Regulatory information**

**Labeling:**

The preparation is not classified as dangerous with actual regulation (1999/45/CE), (67/548/CEE) and updates. Labeling not required.

**16. Other information**

This safety data sheet is provided according to directive 1907/2006/CE and 91/155/CE.