

**SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006 as amended

SDS # : A-1016

**Toner - Black**

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier**

**Product Name** **Toner** for Xerox 4110 Copier/Printer, Xerox 4110 EPS, Xerox 4112, Xerox 4112 EPS, Xerox 4127, Xerox 4127 EPS, Xerox 4590 Copier/Printer, Xerox 4590 EPS, Xerox 4595 Copier/Printer, Xerox 4595A, Xerox D95 Copier/Printer, Xerox D95A Copier/Printer, Xerox D110 Copier/Printer, Xerox D110 Printer, Xerox D125 Copier/Printer, Xerox D125 Printer

**Part no.** 006R01237, 006R01561, 006R01583, 006R90378

**Colour** Black

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use** Xerographic printing

**1.3 Details of the supplier of the safety data sheet**

**Supplier** Xerox Ltd.  
Xerox Environment, Health & Safety  
Monroe House  
Works Road  
Letchworth  
Herts. SG61LN  
UK

**For further information, please contact**

**Contact person** Manager, Environment, Health, Safety  
& Sustainability  
**Phone** ++44 (0)1707 353434  
**Fax** -  
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**1.4 Emergency telephone**

Not applicable

**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

**2.2 Label elements**

None

**2.3 Other hazards**

No hazard expected under normal conditions of use

SDS # : A-1016

## Toner - Black

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Polymer	>80	292629-36-8	Not listed	--	--	
Parafin wax	>5	8002-74-2	Not listed	--	--	
Carbon black	>5	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Amorphous silica	<2	7631-86-9	231-545-4	--	--	
Titanium dioxide	<1	13463-67-7	236-675-5	--	--	

#### Note

Components marked as "Not Listed" are exempt from registration.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

<b>General advice</b>	For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes
<b>Skin contact</b>	Wash skin with soap and water
<b>Inhalation</b>	Move to fresh air
<b>Ingestion</b>	Rinse mouth with water and afterwards drink plenty of water or milk

#### 4.2 Most important symptoms and effects, both acute and delayed

<b>Acute toxicity</b>	
<b>Eyes</b>	No known effect
<b>Skin</b>	No known effect
<b>Inhalation</b>	No known effect
<b>Ingestion</b>	No known effect
<b>Chronic effects</b>	
<b>Chronic toxicity</b>	No known effects under normal use conditions
<b>Main symptoms</b>	Overexposure may cause: mild respiratory irritation similar to nuisance dust.

#### 4.3 Indication of immediate medical attention and special treatment needed

<b>Protection of first-aiders</b>	No special protective equipment required
<b>Notes to physician</b>	Treat symptomatically

### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Use water spray or fog; do not use straight streams, Foam
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire

SDS # : A-1016

**Toner - Black**

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

**5.2 Special hazards arising from the substance or mixture**

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

**5.3 Special protective actions for fire-fighters**

In the event of fire and/or explosion do not breathe fumes. Wear fire/flare resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins. Wear self-contained breathing apparatus and protective suit.

**Other information****Flammable properties**

Not flammable

**Flash point**

Not applicable

**Hazardous combustion products** Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)**6. ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

Avoid breathing dust

**6.2 Environmental precautions**

No special environmental precautions required

**6.3 Methods and material for containment and cleaning up****Methods for containment**

Prevent dust cloud

**Methods for cleaning up**

Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove

**6.4 Reference to other sections**

The environmental impact of this product has not been fully investigated  
However, this preparation is not expected to present significant adverse environmental effects.

**7. HANDLING AND STORAGE****7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice, Avoid dust accumulation in enclosed space, Prevent dust cloud

**Hygiene measures**

None under normal use conditions

**7.2 Conditions for safe storage, including any incompatibilities**

Keep container tightly closed in a dry and well-ventilated place, Store at room temperature

SDS # : A-1016

## Toner - Black

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

### 7.3 Specific end uses

Xerographic printing

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Xerox Exposure Limit	2.5 mg/m <sup>3</sup> (total dust)
Xerox Exposure Limit	0.4 mg/m <sup>3</sup> (respirable dust)

### 8.2 Exposure controls

Engineering measures	None under normal use conditions
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### 8.3 Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection	No special protective equipment required
Eye/face protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Hand protection	No special protective equipment required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Powder	Odour	Faint
Odour threshold	Not applicable	Physical state	Solid
pH	Not applicable	Colour	Black
Flash point	Not applicable	Boiling point/boiling range	Not applicable
Softening point	49 - 60 °C / - 140 °F	Autoignition temperature	Not applicable

Flammability Limits in Air	Not applicable
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Vapour pressure	Not applicable
Vapour density	Not applicable
Water solubility	Negligible
Viscosity	Not applicable
Partition coefficient	Not applicable
Evaporation rate	Not applicable
Melting point/range	Not determined
Freezing point	Not applicable
Decomposition temperature	Not determined
Specific gravity	~ 1

### 9.2 Other information

Explosive properties	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
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## 10. STABILITY AND REACTIVITY

SDS # : A-1016

## Toner - Black

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

<b>Hazardous reactions</b>	None under normal processing
<b>Hazardous polymerisation</b>	Hazardous polymerisation does not occur

### 10.4 Conditions to avoid

Prevent dust cloud, Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

### 10.5 Incompatible materials to avoid

None

### 10.6 Hazardous decomposition products

None under normal use

## **11. TOXICOLOGICAL INFORMATION**

*The toxicity data noted below is based on the test results of similar reprographic materials.*

### 11.1 Information on toxicological effects

#### Acute toxicity

Product Information

<b>Irritation</b>	No skin irritation, No eye irritation
<b>Oral LD50</b>	> 5 g/kg (rat)
<b>Dermal LD50</b>	> 5 g/kg (rabbit)
<b>LC50 Inhalation</b>	> 5 mg/L (rat, 4 hr)

#### Chronic toxicity

Product Information

<b>Chronic effects</b>	No known effects under normal use conditions
<b>Carcinogenicity</b>	See "Other Information" in this section.
<b>Other information</b>	The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

The IARC (International Agency for Research on Cancer) has listed titanium dioxide as "possibly carcinogenic to humans". However, Xerox has concluded that the presence of

SDS # : A-1016

## Toner - Black

Issuing Date 2004-10-12

Revision Date 2018-01-02

Version 5

titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO<sub>2</sub> particles of respirable size. The Titanium Dioxide Industry REACH Consortium have concluded that these effects were species-specific, attributable to lung overload and not specific to TiO<sub>2</sub>, i.e. similar effects would also be seen for other low solubility dusts. Toxicological and epidemiological studies do not suggest a carcinogenic effects in humans. In addition, the titanium dioxide in this mixture is encapsulated in a matrix or bound to the surface of the toner.

### Other toxic effects

#### *Product Information*

<b>Sensitisation</b>	No sensitisation responses were observed
<b>Mutagenic effects</b>	Not mutagenic in AMES Test
<b>Target organ effects</b>	None known
<b>Other adverse effects</b>	None known
<b>Aspiration Hazard</b>	Not applicable

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

On available data, the mixture / preparation is not harmful to aquatic life

### 12.2 Persistence and degradability

Not readily biodegradable

### 12.3 Bioaccumulative potential

Bioaccumulation is unlikely

### 12.4 Mobility in soil

Insoluble in water

### 12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

### 12.6 Other adverse effects

Presents little or no hazard to the environment

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Disposal considerations

<b>Waste Disposal Method</b>	No special precautions are needed in handling this material
<b>EWC Waste Disposal No.</b>	08 03 18

## 14. TRANSPORT INFORMATION

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**SDS # :** A-1016**Toner - Black****Issuing Date** 2004-10-12**Revision Date** 2018-01-02**Version** 5

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**14.1 UN/ID No**

Not regulated

**14.2 Proper shipping name**

Not regulated

**14.3 Transport hazard class(es)**

Not classified

**14.4 Packing Group**

Not applicable

**14.5 Environmental hazards**

Presents little or no hazard to the environment

**14.6 Special precautions for users**

No special precautions are needed in handling this material

**14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code**

Not applicable

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

**15.2 Chemical Safety Assessment**

Not applicable

**16. OTHER INFORMATION**

<b>Issuing Date</b>	2004-10-12
<b>Revision Date</b>	2018-01-02
<b>Revision Note</b>	(M)SDS sections updated 3

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in

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**SDS # :** A-1016

**Toner - Black**

**Issuing Date** 2004-10-12

**Revision Date** 2018-01-02

**Version** 5

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**combination with any other materials or in any process, unless specified in the text.**