

**SAFETY DATA SHEET**

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

SDS # : A-10236

**Toner - Cyan, Black, Magenta, Yellow**

Issuing Date 2017-07-25

Revision Date 2018-10-03

Version 3

**European Version Only****1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier**

**Product Name** Toner for HP Color LaserJet Pro M452, HP Color LaserJet Pro MFP M377, HP Color LaserJet Pro MFP M477 Series  
**Part no.** 006R03515, 006R03516, 006R03517, 006R03518  
**Colour** Cyan, Black, Magenta, Yellow

**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 & Sustainability  
Monroe House  
Works Road  
Letchworth  
Herts. SG61LN  
UK

**For further information, please contact**

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**For the most current document** <https://safetysheets.business.xerox.com>

**1.4 Emergency telephone number**

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**

Not a PBT according to REACH Annex XIII

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May form explosible dust-air mixture if dispersed

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Styrene acrylate copolymer	70-90	Proprietary	Not listed	--	--	--
Wax	5-15	Proprietary	Listed	--	--	--
Cyan pigment	3-10	Proprietary	Listed	--	--	01-2119458771-32-0044
Carbon black	3-10	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Magenta pigment	3-10	Proprietary	Listed	--	--	--
Yellow pigment	3-10	Proprietary	Listed	--	--	--
Amorphous silica	<5	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.

"--" indicates no classification or hazard statements apply.

Where no REACH registration number is listed, it is considered confidential to the Only Representative.

### 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

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

**Suitable extinguishing media** Use water spray or fog; do not use straight streams, Foam

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire

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

**Hazardous combustion products** Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)

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

#### 5.3 Advice for fire-fighters

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame 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

<b>Flammability</b>	Not flammable
<b>Flash point</b>	Not applicable

### 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

<b>Methods for containment</b>	Prevent dust cloud
<b>Methods for cleaning up</b>	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

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### 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

### 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

### Personal protective equipment

**Eye/face protection**                      No special protective equipment required  
**Hand protection**                              No special protective equipment required  
**Skin and body protection**                      No special protective equipment required  
**Respiratory protection**                      No special protective equipment required  
**Thermal hazards**                                None under normal processing

**Environmental Exposure Controls**      Keep out of drains, sewers, ditches and waterways

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Powder	<b>Odour</b>	Faint
<b>Physical state</b>	Solid	<b>Odour threshold</b>	Not applicable
<b>Colour</b>	Cyan Black Magenta Yellow	<b>pH</b>	Not applicable
<b>Flash point</b>	Not applicable		
<b>Boiling point/boiling range</b>	Not applicable		
<b>Softening point</b>	49 - 60 °C	/	120 - 140 °F
<b>Evaporation rate</b>	Not applicable		
<b>Flammability</b>	Not flammable		
<b>Flammability Limits in Air</b>	Not applicable		
<b>Explosive Limits</b>	No data available		

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Vapour pressure	Not applicable
Vapour density	Not applicable
Specific gravity	~ 1
Water solubility	Negligible
Partition coefficient	Not applicable
Autoignition temperature	Not applicable
Decomposition temperature	Not determined
Viscosity	Not applicable

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

**Oxidising properties** Not applicable

### 9.2 Other information

None

## **10. STABILITY AND REACTIVITY**

### 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

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**

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<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*

**Chronic effects**  
**Carcinogenicity**  
**Other information**

No known effects under normal use conditions  
 Not classifiable as a human carcinogen

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 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>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards
<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

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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**

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

**13. DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

<b>Waste Disposal Method</b>	Can be landfilled or incinerated, when in compliance with local regulations If incineration is to be carried out, care must be exercised to prevent dust clouds forming.
<b>EWC Waste Disposal No.</b>	08 03 18
<b>Other information</b>	Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways.

**14. TRANSPORT INFORMATION****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**

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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**

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

**16. OTHER INFORMATION**

Issuing Date	2017-07-25
Revision Date	2018-10-03
Revision Note	Update to format

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