

# Safety Data Sheet

SDS # : A-10044

## Toner- Black, Cyan, Magenta, Yellow

Issuing Date 2013-07-10

Revision Date 2023-07-26

Version 4

Active

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### Product Identifier

#### Product Name

Toner for HP Color LaserJet M351, HP Color LaserJet M351A, HP LaserJet 300 Color M351, HP Color LaserJet M375, HP Color LaserJet M375NW MFP, HP LaserJet 300 Color M375 Series, HP Color LaserJet M451, HP Color LaserJet M451DN, HP Color LaserJet M451DW, HP Color LaserJet M451NW, HP LaserJet 400 Color M451, HP Color LaserJet M475, HP Color LaserJet M475DN MFP, HP Color LaserJet M475DW MFP, HP LaserJet 400 Color M475 Series

Part no. 006R03013, 006R03014, 006R03015, 006R03016, 006R03017

Color Black, Cyan, Magenta, Yellow  
Pure substance/mixture Mixture

**Relevant identified uses of the substance or mixture and uses advised against**  
Recommended Use Xerographic printing

#### Details of the supplier of the safety data sheet

Supplier Xerox Corporation  
Webster, NY 14580

#### For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability  
E-mail address askxerox@xerox.com  
Emergency telephone Safety Information US: (800) 275-9376  
Chemical Emergency only (Chemtrec) (800) 424-9300  
(703) 527-3887 (collect outside the US or Canada)

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

### 2. HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

This product contains no hazardous ingredients that meet the threshold for classification of the mixture.

#### Customer use / Cartridges and sealed bottles

**OSHA Hazard Classification** While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to

employees and other users of this product.

### Label elements

<b>Signal Word</b>	None
<b>Hazard Statements</b>	None required
<b>Precautionary Statements</b>	None required

### Other hazards

Not a PBT according to REACH Annex XIII  
May form explosible dust-air mixture if dispersed

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Styrene acrylate copolymer	Proprietary	75-85	--	--
Amorphous silica	7631-86-9	1-10	--	--
Magenta pigment	Proprietary	0-10	--	--
Cyan pigment	Proprietary	0-10	--	--
Carbon black	1333-86-4	0-10	--	--
Wax	Proprietary	1-10	--	--
Yellow pigment	Proprietary	0-10	--	--

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

## 4. FIRST AID MEASURES

### 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 material 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

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

#### Acute toxicity

<b>Eyes</b>	No known effect
<b>Skin</b>	No known effect
<b>Inhalation</b>	No known effect
<b>Ingestion</b>	No known effect

**Chronic toxicity** No known effects under normal use conditions

**Main symptoms** **Overexposure may cause:**  
mild respiratory irritation similar to nuisance dust.

**Aggravated Medical Conditions** None under normal use conditions

### 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. FIRE-FIGHTING MEASURES

### 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

### 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

### Hazardous combustion products

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

### Advice for fire-fighters

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

**Flammability** Not flammable. Will not readily ignite.

**Flash point** Not applicable

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Avoid breathing dust

### Environmental precautions

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

### Methods and material for containment and cleaning up

**Methods for containment** Prevent dust cloud

**Methods for cleaning up** Use an electrically protected vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner, making it difficult to remove

### Reference to other sections

See section 12 for additional ecological information

See Section 13 for additional information

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on 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

### Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions

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

**Incompatible products** None

### Specific end uses

Xerographic printing

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

ACGIH TLV TWA	10 mg/m <sup>3</sup> (inhalable particles)
ACGIH TLV TWA	3 mg/m <sup>3</sup> (respirable dust)
OSHA PEL TWA	15 mg/m <sup>3</sup> (total dust)
OSHA PEL TWA	5 mg/m <sup>3</sup> (respirable dust)
Xerox Exposure Limit	2.5 mg/m <sup>3</sup> (total dust)
Xerox Exposure Limit	0.4 mg/m <sup>3</sup> (respirable dust)

### Component Information

Chemical Name	ACGIH TLV	OSHA PEL
Cyan pigment	TWA: 1 mg/m <sup>3</sup>	
Carbon black	TWA: 3 mg/m <sup>3</sup>	TWA: 3.5 mg/m <sup>3</sup>

### Exposure controls

Engineering measures None under normal use conditions

### Individual protection measures, such as personal protective equipment (PPE)

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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Powder	Odor	Faint
Physical state	Solid	Odor threshold	Not applicable
Color	Black, Cyan, Magenta, Yellow	pH	Not applicable

Flash point	Not applicable
Melting / Freezing Point	Not applicable
Boiling point/range	Not applicable
Softening point	49 - 60 °C / 120 - 140 °F
Evaporation rate	Not applicable
Flammability	Not flammable. Will not readily ignite.
Flammability Limits in Air	Not applicable
Vapor pressure	Not applicable
Vapor density	Not applicable
Specific gravity	~ 1
Water solubility	Negligible
Partition coefficient	Not applicable
Autoignition temperature	Not applicable

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<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Not applicable
<b>Explosive properties</b>	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard
<b>Oxidizing properties</b>	Not applicable

### Other information

None

## 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

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

### 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.

### Incompatible Materials

None

### 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.*

### 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)

##### **Component Information**

Chemical Name	LC50 Inhalation	Dermal LD50	Oral LD50
Amorphous silica	>2.2 mg/L ( Rat ) 1 h	>2000 mg/kg ( Rabbit )	>5000 mg/kg ( Rat )
Magenta pigment		3 g/kg ( Rabbit )	23 g/kg ( Rat )
Cyan pigment			10000 mg/kg ( Rat )
Carbon black		3 g/kg ( Rabbit )	15400 mg/kg ( Rat )

### Chronic toxicity

<b>Sensitization</b>	No sensitization responses were observed
<b>Neurological Effects</b>	No information available
<b>Target organ effects</b>	None known

### CMR Effects

<b>Mutagenic effects</b>	Not mutagenic in AMES Test
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards

**Carcinogenicity**

See "Other Information" in this section.

Chemical Name	NTP	IARC
Carbon black		2B

**Other information**

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.

**Other toxic effects**

**Aspiration Hazard** Not applicable  
**Other adverse effects** None known

**Information on other hazards**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors

**12. ECOLOGICAL INFORMATION**
**Toxicity**

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

**Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Amorphous silica	440 mg/L EC50 72 h (Pseudokirchneriella subcapitata)	LC50= 5000 mg/L Brachydanio rerio 96 h		EC50 = 7600 mg/L 48 h
Carbon black				EC50 > 5600 mg/L 24 h

**Persistence and degradability**

Not readily biodegradable

**Bioaccumulative potential**

Bioaccumulation is unlikely

**Mobility in soil**

Insoluble in water

**Component Information**

Chemical Name	log Pow
Cyan pigment	6.6

**Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

**Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors

**Other adverse effects**

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.

**13. DISPOSAL CONSIDERATIONS**

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### Waste treatment methods

#### **Waste Disposal Methods**

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.

#### **Contaminated packaging**

No special precautions are needed in handling this material

#### **Other information**

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

This material is not subject to regulation as a hazardous material for shipping

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **OSHA Regulatory Status**

While this material is not considered hazardous by the OSHA hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information for the safe handling and proper use of the product. This SDS should be retained and made available to employees and other users of this product.

#### **Canada**

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

### International Inventories

#### **TSCA**

Complies

#### **DSL/NDSL**

Complies

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### **California Proposition 65**

Carbon black is regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

Chemical Name	CAS No.	California Prop. 65
Carbon black	1333-86-4	Carcinogen

#### **U.S. State Right-to-Know Regulations**

This product does not contain any substances regulated by state right-to-know regulations.

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16. OTHER INFORMATION
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<b>Issuing Date</b>	2013-07-10
<b>Revision Date</b>	2023-07-26
<b>Revision Note</b>	(M)SDS sections updated:, 3
<b>Disclaimer</b>	

The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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