

# SAFETY DATA SHEET

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

SDS # : P-70037

**Dry Ink - Black**

Issuing Date 2021-04-27

Revision Date 2022-03-29

Version 5

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

### 1.1 Product Identifier

**Product Name** Dry Ink for Nuvera 100 MX Digital Production System, Nuvera 100 MX Production System, Nuvera 120 MX Digital Production System, Nuvera 120 MX Production System, Nuvera 144 MX Digital Production System, Nuvera 144 MX Production System, Nuvera 157 MX Digital Production System, Nuvera 200 MX Perfecting Production System, Nuvera 288 MX Perfecting Production System, Nuvera 314 MX Digital Production System

**Part no.** 006R01832, 502S70702

**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 Europe Limited  
Xerox Technology Park  
Dublin Road  
Dundalk  
Co. Louth  
Ireland

### For further information, please contact

**Contact person** Andy Cosgrove  
**Phone** +353 429387410  
**E-mail address** ehs-europe@xerox.com

**For the most current document** <https://safetydatasheets.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
Bisphenol A propylene oxide fumarate polymer	50-60	39382-25-7	Not listed	--	--	--
Magnetite	15-25	1317-61-9	215-277-5	--	--	01-2119457646-28-0021
Iron powder	5-15	7439-89-6	231-096-4	--	--	--
Polypropylene wax	3-5	9003-07-0	Not listed	--	--	--
Carbon black	3-5	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Silica (Surface Treated)	<2	68909-20-6	272-697-1	STOT RE 2	H373	--
Titanium dioxide	<1	13463-67-7	236-675-5	Carc (Inhal) 2	H351	--

Full text of H- statements: see section 16

#### Note

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

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

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

#### General advice

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.

#### Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

#### Skin contact

Wash skin with soap and water

#### Inhalation

Move to fresh air

#### Ingestion

Rinse mouth with water and afterwards drink plenty of water or milk

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

#### Acute toxicity

##### Eyes

No known effect

##### Skin

No known effect

##### Inhalation

No known effect

##### Ingestion

No known effect

#### Chronic effects

##### Chronic toxicity

No known effects under normal use conditions

#### Main symptoms

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

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

#### Protection of first-aiders

No special protective equipment required

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Notes to physician

Treat symptomatically

### 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

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)

#### 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

**Flammability**

Not flammable

**Flash point**

Not applicable

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing dust

#### 6.2 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

#### 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

See section 12 for additional ecological information

See Section 13 for additional information

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### 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

#### 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

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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic 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>	Black	<b>pH</b>	Not applicable
<b>Flash point</b>	Not applicable		
<b>Melting / Freezing Point</b>	Not applicable		
<b>Boiling point/boiling range</b>	Not applicable		

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<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
<b>Vapour pressure</b>	Not applicable
<b>Vapour density</b>	Not applicable
<b>Specific gravity</b>	1-2
<b>Water solubility</b>	Negligible
<b>Partition coefficient</b>	Not applicable
<b>Autoignition temperature</b>	Not applicable
<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>Oxidising properties</b>	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

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### 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

##### **Irritation**

. No skin irritation, No eye irritation

##### **Oral LD50**

&gt; 5 g/kg (rat)

##### **Dermal LD50**

&gt; 5 g/kg (rabbit)

##### **LC50 Inhalation**

&gt; 5 mg/L (rat, 4 hr)

##### Chronic toxicity

Product Information

##### **Chronic effects**

No known effects under normal use conditions

##### **Carcinogenicity**

See "Other Information" in this section.

##### **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.

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. 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

##### **Sensitisation**

No sensitisation responses were observed

##### **Mutagenic effects**

Not mutagenic in AMES Test

##### **Reproductive toxicity**

This product does not contain any known or suspected reproductive hazards

##### **Target organ effects**

None known

##### **Other adverse effects**

None known

##### **Aspiration Hazard**

Not applicable

#### 11.2 Information on other hazards

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

### 12. ECOLOGICAL INFORMATION

#### 12.1 Toxicity

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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 Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

### 12.7 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

### 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)

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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

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

## 16. OTHER INFORMATION

**Issuing Date** 2021-04-27  
**Revision Date** 2022-03-29  
**Revision Note** (M)SDS sections updated, 3

### **Full text of H-Statements referred to under sections 2 and 3**

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

**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.