

SAFETY DATA SHEET

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

SDS # : P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

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

1.1 Product Identifier

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

Part no. 006R90357, 006R01258, 006R01259, 006R01260, 006R01261, 502S67796

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 & Sustainability
Monroe House
Works Road
Letchworth
Herts. SG61LN
UK

For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability

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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

SDS #: P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

None

2.3 Other hazards

Not a PBT according to REACH Annex XIII
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
Polymer	60-80	292629-36-8	Not listed	--	--	--
Ceramic materials	<10	66402-68-4	266-340-9	--	--	--
Carbon black	<10	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Paraffin wax	<10	8002-74-2	232-315-6	--	--	--
Amorphous silica	<3	7631-86-9	231-545-4	--	--	--
Titanium dioxide	<1	13463-67-7	236-675-5	--	--	--

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

SDS # : P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

Protection of first-aiders
Notes to physician

No special protective equipment required
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/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
Flash point 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

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.

SDS #: P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

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/m³ (total dust)
Xerox Exposure Limit 0.4 mg/m³ (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

9.1 Information on basic physical and chemical properties

Appearance	Powder	Odour	Faint
Physical state	Solid	Odour threshold	Not applicable
Colour	Black	pH	Not applicable
Flash point	Not applicable		
Boiling point/boiling range	Not applicable	49-60 °C	/ 120-140 °F
Evaporation rate	Not applicable		
Flammability	Not flammable		

SDS # : P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

Flammability Limits in Air	Not applicable
Explosive Limits	No data available
Vapour pressure	Not applicable
Vapour density	Not applicable
Specific gravity	1-2
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

Hazardous reactions	None under normal processing
Hazardous polymerisation	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

SDS # : P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

Acute toxicity

Product Information

Irritation

No skin irritation, No eye irritation

Oral LD50

> 5 g/kg (rat)

Dermal LD50

> 5 g/kg (rabbit)

LC50 Inhalation

> 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 TiO₂ 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 TiO₂, 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

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

12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

SDS # : P-00001

Dry Ink - Black

Issuing Date 2011-06-21

Revision Date 2019-09-18

Version 5

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 Waste treatment methods

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

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

SDS # : P-00001**Dry Ink - Black****Issuing Date** 2011-06-21**Revision Date** 2019-09-18**Version** 5

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

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Revision Note	Part number 502S67796 added

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.