SAFETY DATA SHEET

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

SDS # : P-7009

Dry Ink - Magenta

Issuing Date 2019-09-04 **Revision Date** 2019-09-23 **Version** 1.01

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

1.1 Product Identifier

Product Name Dry Ink for iGen3 Digital Production Press
Part no. 111R00011

Colour Magenta

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
Phone ++44 (0)1707 353434
Fax -
E-mail address ehs-europe@xerox.com

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

Symbol(s) None required
Signal Word None required

Hazard Statements None required
Precautionary Statements None required

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2.3 Other hazards

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

Special Note Contains a chemical that can cause an allergic reaction in susceptible people
Product is not a sensitizer by Local Lymph Node Assay (LLNA)

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Polyester resin	>60	39382-25-7	Not listed	--	--	--
Iron powder	20-35	7439-89-6	231-096-4	--	--	--
Magenta pigment	1-10	75627-12-2	278-270-6	Skin Sens 1 Aquatic Chronic 4	H317 H413	01-2120775793-39-0003
Amorphous silica	1-3	7631-86-9	231-545-4	--	--	--
Titanium dioxide	<1	13463-67-7	236-675-5	--	--	--

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.

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4.3 Indication of immediate medical attention and special treatment needed

Protection of first-aiders	No special protective equipment required
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

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

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)

Chemical Name	ACGIH TLV	European Union
Amorphous silica		TWA 0.1 mg/m³
Titanium dioxide	TWA: 10 mg/m³	

8.2 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 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	Magenta	**pH**	Not applicable

Flash point Not applicable

Boiling point/boiling range	Not applicable
Softening point	49 - 60 °C / 120 - 140 °F
Evaporation rate	Not applicable
Flammability	Not flammable
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

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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 .

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)

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Iron powder	30 g/kg (Rat)		
Amorphous silica	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>2.2 mg/L (Rat) 1 h
Titanium dioxide	10000 mg/kg (Rat)		

Chronic toxicity

Chronic effects No known effects under normal use conditions
Carcinogenicity See "Other Information" in this section.

Chemical Name	IARC
Titanium dioxide	2B

Other information

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

Sensitisation Contains a chemical that can cause an allergic reaction in susceptible people
Product is not a sensitizer by Local Lymph Node Assay (LLNA)
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

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

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 Disposal considerations

Waste Disposal Method	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	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No.	08 03 13
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)

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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 2019-09-04
Revision Date 2019-09-23
Revision Note Update to format
Full text of H-Statements referred to under sections 2 and 3
H317 - May cause an allergic skin reaction
H413 - May cause long lasting harmful effects to aquatic life

Additional advice
EU Country Specific Exposure Limits

Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Magenta pigment		TWA 0.5 mg/m ^{3} STEL 1.5 mg/m ^{3}			
Amorphous silica	STEL 18 mg/m ^{3} STEL 7.2 mg/m ^{3} STEL 0.3 mg/m ^{3} TWA 6 mg/m ^{3}	TWA 6 mg/m ^{3} TWA 2.4 mg/m ^{3} STEL 18 mg/m ^{3} STEL 7.2 mg/m ^{3}		AGW 4 mg/m ^{3}	TWA 0.075 mg/m ^{3}

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Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
	TWA 2.4 mg/m ^{3} TWA 0.1 mg/m ^{3}				
Titanium dioxide	STEL 30 mg/m ^{3} STEL 12 mg/m ^{3} TWA 10 mg/m ^{3} TWA 4 mg/m ^{3}	TWA 10 mg/m ^{3} TWA 4 mg/m ^{3} STEL 30 mg/m ^{3} STEL 12 mg/m ^{3}	TWA 10 mg/m ^{3}		

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Xanthylium, 3,6-bis(ethylamino)-9-(2-(methoxycarbonyl)phenyl)-2,7-					TWA 5 mg/m ^{3} Ceiling 25 mg/m ^{3}
Silicon dioxide		SS-C**	TWA 4 mg/m ^{3}		TWA 0.1 mg/m ^{3} TWA 4.0 mg/m ^{3}
Titanium dioxide	TWA 10 mg/m ^{3}	SS-C** TWA 3 mg/m ^{3}	STEL 10 mg/m ^{3} TWA 5 mg/m ^{3}		

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Titanium dioxide	TWA 10 mg/m ^{3}	TWA 10 mg/m ^{3} C(A4)		TWA 10 mg/m ^{3} TWA 5 mg/m ^{3}	STEL 15 mg/m ^{3} TWA 10 mg/m ^{3}

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Xanthylium, 3,6-bis(ethylamino)-9-(2-(methoxycarbonyl)phenyl)-2,7-	TWA 4 mg/m ^{3} STEL 10 mg/m ^{3}				
Silicon dioxide				TWA 5 mg/m ^{3} TWA 0.05 mg/m ^{3}	TWA 1.5 mg/m ^{3} STEL 3 mg/m ^{3}
Titanium dioxide	TWA 10 mg/m ^{3} STEL 30 mg/m ^{3}	TWA 6 mg/m ^{3}	TLV 5 mg/m ^{3}		TWA 5 mg/m ^{3} STEL 10 mg/m ^{3}

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

Disclaimer

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