

SAFETY DATA SHEET

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

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

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

1.1 Product Identifier

Product Name Developer for Xerox® Iridesse™ Production Press
Part no. 005R00762

UFI 4C00-M05J-D00J-ASPN

Colour White

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://safetysheets.business.xerox.com>

1.4 Emergency telephone number

+44 1865 407333

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008

Carcinogenicity	Category 2
-----------------	------------

2.2 Label elements

Symbol(s)

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2



Signal Word

Warning

Hazard Statements

Precautionary Statements

H351 - Suspected of causing cancer if inhaled

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P308 + P313 - IF exposed or concerned: Get medical advice/attention

P501 -Dispose of contents/container in accordance with local/regional/national/international regulation

UFI

4C00-M05J-D00J-ASPN

EC Label

EUH212 - Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

2.3 Other hazards

May form explosible dust-air mixture if dispersed

Not a PBT according to REACH Annex XIII

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Ceramic materials	<80	Proprietary	Listed	--	--	--
Titanium dioxide	<10	13463-67-7	236-675-5	Carc 2	H351	--
Resin	<10	Proprietary	Not listed	--	--	-
Silica (Surface Treated)	<1	68909-20-6	272-697-1	Acute tox (inhal) 2 STOT RE 2	H330 H373	--

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

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

Skin contact	continue flushing for at least 15 minutes
Inhalation	Wash skin with soap and water
Ingestion	Move to fresh air
	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

4.3 Indication of immediate medical attention and special treatment needed

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

Use personal protective equipment, Avoid breathing dust

SDS #: B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Avoid dust formation in confined areas, 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)
Exposure Limits For country specific exposure limits see Section 16

Chemical Name	ACGIH TLV	European Union
Ceramic materials	TWA: 5 mg/m ³ TWA: 0.02 mg/m ³ TWA: 0.1 mg/m ³	
Titanium dioxide	TWA: 10 mg/m ³	

8.2 Exposure controls

Engineering measures Ensure adequate ventilation, especially in confined areas

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

Eye/face protection None under normal use conditions
Hand protection None under normal use conditions.

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

Skin and body protection	None under normal use conditions
Respiratory protection	No protective equipment is needed under normal use conditions.
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

Appearance	Powder	Odour	Faint
Physical state	Solid	Odour threshold	Not applicable
Colour	White	pH	Not applicable
Flash point	Not applicable		
Melting / Freezing 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	4-5		
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

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

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

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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
Titanium dioxide	10000 mg/kg (Rat)		

Chronic toxicity

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. 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 Not expected to be a sensitizer

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

Target organ effects	None known
Other adverse effects	None known
Aspiration Hazard	Not applicable

Information on other hazards

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

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 Endocrine disrupting properties

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

12.7 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Dispose of as hazardous waste in compliance with local and national regulations

Waste from Residues/Unused Products Dispose of in accordance with local regulations

Contaminated packaging Dispose of in accordance with local regulations.

SDS # : B-20036**Developer - White****Issuing Date** 2018-08-07**Revision Date** 2021-07-09**Version** 2

EWC Waste Disposal No. 08 03 17***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

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**

The product is classified and labelled in accordance with 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** 2018-08-07
Revision Date 2021-07-09
Revision Note (M)SDS sections updated, 3
Full text of H-Statements referred to under sections 2 and 3

SDS # : B-20036

Developer - White

Issuing Date 2018-08-07

Revision Date 2021-07-09

Version 2

H330 - Fatal if inhaled
 H351 - Suspected of causing cancer
 H373 - May cause damage to organs through prolonged or repeated exposure

Exposure scenario This product is intended solely for use in Xerographic printing. There is no exposure to hazardous components under normal use conditions. In case of spill or leak, prevent dust cloud. Avoid breathing dust

Additional advice
EU Country Specific Exposure Limits

Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Ceramic materials	STEL 10 mg/m ³ TWA 0.6 mg/m ³ STEL 0.15 mg/m ³ TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³	TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ STEL 10 mg/m ³ STEL 0.6 mg/m ³ STEL 0.15 mg/m ³		AGW 0.2 mg/m ³ AGW 0.02 mg/m ³	TWA 0.2 mg/m ³ TWA 0.05 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
Ceramic materials	TWA 0.2 mg/m ³ TWA 5 mg/m ³ STEL 10 mg/m ³	SS-C** TWA 5 mg/m ³ TWA 0.5 mg/m ³	STEL 1.6 mg/m ³ TWA 5 mg/m ³ TWA 0.2 mg/m ³	STEL 20mg/m ³ TWA 5mg/m ³	TWA 2.0 mg/m ³ TWA 1 mg/m ³ Ceiling 2 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
Ceramic materials	TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ STEL 10 mg/m ³	TWA 5 mg/m ³ TWA 0.2 mg/m ³ STEL 10 mg/m ³ C(A4)		TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ TWA 5 mg/m ³ STEL 10 mg/m ³	STEL 10 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ TWA 5 mg/m ³
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
Ceramic materials	TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ STEL 10 mg/m ³	TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³	TLV 0.2 mg/m ³ TLV 0.05 mg/m ³	TWA 1 mg/m ³ TWA 0.2 mg/m ³ TWA 0.02 mg/m ³	TWA 0.5 mg/m ³ TWA 5 mg/m ³ TWA 0.2 mg/m ³ TWA 0.05 mg/m ³ STEL 1.5 mg/m ³ STEL 10 mg/m ³ STEL 0.6 ppm STEL 0.15 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

SDS # : B-20036**Developer - White****Issuing Date** 2018-08-07**Revision Date** 2021-07-09**Version** 2

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.