

SAFETY DATA SHEET

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

SDS #: F-60028

HF Aqueous Ink - Black

Issuing Date 2017-03-13

Revision Date 2023-10-11

Version 6

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

1.1 Product Identifier

Product Name HF Aqueous Ink for Xerox® Trivor® 2400 HF Inkjet Press
Part no. 008R13243

UFI KT10-60W9-K00Y-KKKR

Colour Black

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Ink jet 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 askxerox@xerox.com

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

1.4 Emergency telephone number

+44 1865 407333

SECTION 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

Serious eye damage/eye irritation	Category 2
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2.2 Label elements

GHS Label elements, including precautionary statements
Symbol(s)

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Signal Word Warning

Hazard Statements H319 - Causes serious eye irritation
Precautionary Statements P280 - Wear protective gloves/protective clothing/eye protection/face protection
 P305 - IF IN EYES:
 P351 - Rinse cautiously with water for several minutes
 P338 - Remove contact lenses, if present and easy to do. Continue rinsing
 P313 - Get medical advice/attention

UFI KT10-60W9-K00Y-KKKR
EC Label
 EUH208 - Contains (1,2-benzisothiazol-3(2H)-one CAS 2634-33-5). May produce an allergic reaction

2.3 Other hazards

Contains a chemical that can cause an allergic reaction in susceptible people

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Water	50-75	7732-18-5	231-791-2	--	--	--
Aliphatic alcohol	10-20	Proprietary	Listed	--	--	--
1,2-Hexanediol	5-15	6920-22-5	230-029-6	Eye Irrit. 2	H319	--
Carbon black	1-10	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Triethanolamine	<1	102-71-6	203-049-8	--	--	--
1,2-Benzisothiazolin-3-one	<0.036	2634-33-5	220-120-9	Acute Tox. 4 (oral) Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 H400	--

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.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

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Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, consult a specialist
Skin contact	Wash off with warm water and soap, Get medical attention if irritation develops and persists
Inhalation	Move to fresh air, Get medical attention immediately if symptoms occur
Ingestion	Clean mouth with water and afterwards drink plenty of water, Consult a doctor if necessary, Do NOT induce vomiting

4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity	
Eyes	May cause irritation
Skin	May cause irritation
Inhalation	May cause irritation of respiratory tract
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea
Chronic effects	
Chronic toxicity	Repeated contact may cause allergic reactions in very susceptible persons
Main symptoms	Overexposure may cause: Eye irritation Skin irritation

4.3 Indication of immediate medical attention and special treatment needed

Protection of first-aiders	Avoid contact with skin, eyes and clothing
Notes to physician	Treat symptomatically

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Water spray, Foam, Carbon dioxide (CO₂)

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

None in particular

Hazardous combustion products
Thermal decomposition can lead to release of irritating gases and vapours

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flammability	Not flammable
Flash point	> 100 °C / > 212 °F

SECTION 6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes, Use personal protective equipment

6.2 Environmental precautions

Should not be released into the environment, Do not allow material to contaminate ground water system

6.3 Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so, Dyke to collect large liquid spills, Prevent entry into waterways, sewers, basements or confined areas
Methods for cleaning up	Soak up with inert absorbent material, Prevent product from entering drains

6.4 Reference to other sections

See section 12 for additional ecological information
See Section 13 for additional information

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Ensure adequate ventilation, Prevent the formation of vapours, mist and aerosols, Avoid contact with skin, eyes and clothing, Do not ingest

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place, Keep out of the reach of children, Handle with care

7.3 Specific end uses

Ink jet printing

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits For country specific exposure limits see Section 16

Chemical Name	ACGIH TLV	European Union
Carbon black	TWA: 3 mg/m ³	
Triethanolamine	TWA: 5 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	If splashes are likely to occur, wear, Goggles
Hand protection	Protective gloves.
Skin and body protection	None under normal use conditions

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Respiratory protection Use only with adequate ventilation.
Thermal hazards None under normal processing

Environmental Exposure Controls

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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Physical state	Odour	Colour
	Opaque Liquid pH 7-9.5		Slight Black
Flash point	> 100 °C	/	> 212 °F
Melting / Freezing Point	Not applicable		
Boiling point/boiling range	Not determined		
Softening point	Not applicable		
Evaporation rate	No information available		
Flammability	Not flammable		
Flammability Limits in Air	No information available		
Explosive Limits	No data available		
Vapour pressure	No information available		
Vapour density	No information available		
Specific gravity	No information available		
Water solubility	Dispersible		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	Not determined		
Viscosity	5-7 mPa.s @ 25 °C		
Explosive properties	Not explosive		
Oxidising properties	Not applicable		

9.2 Other information

None

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under normal conditions

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10.3 Possibility of hazardous reactions

Hazardous reactions None under normal processing
Hazardous polymerisation Hazardous polymerisation does not occur

10.4 Conditions to avoid

Strong oxidising agents, Extremes of temperature and direct sunlight

10.5 Incompatible Materials

Alkali metals, Strong oxidising agents, Peroxides

10.6 Hazardous decomposition products

Undefined, but may include toxic oxides of carbon and nitrogen

SECTION 11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product Information

Irritation May cause skin and eye irritation
Oral LD50 Not determined
Dermal LD50 Not determined

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Aliphatic alcohol	20 g/kg (Rat)	20800 mg/kg (Rabbit)	
Carbon black	15400 mg/kg (Rat)	3 g/kg (Rabbit)	
Triethanolamine	4190 mg/kg (Rat)	20 mL/kg (Rabbit) 16 mL/kg (Rat)	
1,2-Benzisothiazolin-3-one	1020 mg/kg (Rat)		

Chronic toxicity

Carcinogenicity See "Other Information" in this section.

Chemical Name	IARC
Carbon black	2B

Other information

The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". The classification is based on studies evaluating pure, "free" carbon black. In the process of making this product, the small amount of carbon black is dispersed in a liquid and is not expressed as "free" carbon black. Therefore, this classification does not apply to this product.

Other toxic effects

Sensitisation Contains a chemical that can cause an allergic reaction in susceptible people
Reproductive toxicity No known effects under normal use conditions

Target organ effects No information available

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Aspiration Hazard No information available

11.2 Information on other hazards

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

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

No product level data available

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

12.4 Mobility in soil

Soluble 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

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Avoid runoff to waterways and sewers
Dispose of in accordance with local regulations

Contaminated packaging Empty containers should be taken to an approved waste handling site for recycling or disposal.

EWC Waste Disposal No. 08 03 13

SECTION 14. TRANSPORT INFORMATION

14.1 UN/ID No

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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 Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 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

SECTION 16. OTHER INFORMATION

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Revision Note (M)SDS sections updated, 5, 8

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

- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H400 - Very toxic to aquatic life

Additional advice

EU Country Specific Exposure Limits

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Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Aliphatic alcohol	STEL 450 ppm STEL 1422 mg/m ³ STEL 30 mg/m ³ TWA 150 ppm TWA 474 mg/m ³ TWA 10 mg/m ³	TWA 10 mg/m ³ TWA 150 ppm TWA 470 mg/m ³ STEL 1410 mg/m ³ STEL 30 mg/m ³ STEL 450 ppm			
Carbon black	STEL 7 mg/m ³ TWA 3.5 mg/m ³	TWA 3 mg/m ³ STEL 15 mg/m ³	TWA 3.5 mg/m ³		
Triethanolamine		TWA 5 mg/m ³ STEL 15 mg/m ³		AGW 1 mg/m ³	

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Carbon black	TWA 3 mg/m ³				TWA 2.0 mg/m ³
Triethanolamine	TWA 5 mg/m ³	SS-C** TWA 5 mg/m ³ STEL 5 mg/m ³	S** STEL 1.6 ppm STEL 10 mg/m ³ TWA 0.8 ppm TWA 5 mg/m ³		TWA 5 mg/m ³ Ceiling 10 mg/m ³ S*

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Carbon black	TWA 3.5 mg/m ³	TWA 3.5 mg/m ³ C(A4)		TWA 3.5 mg/m ³ STEL 7 mg/m ³	
Triethanolamine	TWA 5 mg/m ³	TWA 5 mg/m ³			

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Aliphatic alcohol	TWA 100 mg/m ³				TWA 25 ppm TWA 79 mg/m ³ STEL 37.5 ppm STEL 118.5 mg/m ³
Carbon black	TWA 4 mg/m ³	TWA 3.5 mg/m ³	TLV 3 mg/m ³	TWA 3.5 mg/m ³ STEL 7 mg/m ³	TWA 3.5 mg/m ³ STEL 7 mg/m ³
Triethanolamine		TWA 0.5 ppm TWA 3.1 mg/m ³	TLV 5 mg/m ³ TLV 0.8 ppm Indicative STEL 10 mg/m ³ Indicative STEL 1.6 ppm A*	TWA 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

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

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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.