

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 2022-06-16

Version 5

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 Ltd.
 Building 4
 Uxbridge Business Park
 Sanderson Road
 Uxbridge
 Middlesex. UB8 1DH
 UK

For further information, please contact

Contact person Manager, Environment, Health, Safety
 & Sustainability

Phone ++44 (0)1707 353434

E-mail address askxerox@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

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

Precautionary Statements

H319 - Causes serious eye irritation

P264 - Wash hands thoroughly after handling

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

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

UFI

KT10-60W9-K00Y-KKKR

2.3 Other hazards

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

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.

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

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

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

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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	If swallowed, do not induce vomiting - seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity	
Eyes	Irritating to eyes
Skin	May cause irritation
Inhalation	No known effect
Ingestion	No known effect
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

Notes to physician	Treat symptomatically
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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

Flash point > 100 °C / > 212 °F

6. ACCIDENTAL RELEASE MEASURES

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

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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

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Avoid contact with skin and eyes, Ensure adequate ventilation, Handle and open container with care

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

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

Respiratory protection Use only with adequate ventilation.

Environmental Exposure Controls

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Opaque	Odour	Slight
Physical state	Liquid	Colour	Black
pH	7-9.5		
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

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

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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

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product Information

No acute toxicity information is available for this product.

Irritation

Irritating to eyes and skin

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

Target organ effects

No information available

Aspiration Hazard

No information available

Information on other hazards

Endocrine disrupting properties No information available

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

No product level data available

12.3 Bioaccumulative potential

No product level data available

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

No information available

12.7 Other adverse effects

No information available

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

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

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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

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Revision Note (M)SDS sections updated, 3, Updated Emergency Telephone number in some geographies

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

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			

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Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
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 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.