

**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 2020-04-27

Version 4.02

**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

**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://safetydatasheets.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

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 + 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

**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	<15	6920-22-5	230-029-6	Eye Irrit. 2	H319	--
Carbon black	<8	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Triethanolamine	<1	102-71-6	203-049-8	--	--	--
1,2-Benzisothiazolin-3-one	<0.05	2634-33-5	220-120-9	Acute Tox. 4 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

**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

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<b>Inhalation</b>	No known effect
<b>Ingestion</b>	No known effect
<b>Chronic effects</b>	
<b>Chronic toxicity</b>	Repeated contact may cause allergic reactions in very susceptible persons
<b>Main symptoms</b>	Overexposure may cause: Eye irritation Skin irritation

### 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**      Water spray, Foam, Carbon dioxide (CO<sub>2</sub>)

**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

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

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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 <sup>3</sup>	
Triethanolamine	TWA: 5 mg/m <sup>3</sup>	

#### 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

### 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		

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<b>Softening point</b>	Not applicable
<b>Evaporation rate</b>	No information available
<b>Flammability</b>	Not flammable
<b>Flammability Limits in Air</b>	No information available
<b>Explosive Limits</b>	No data available
<b>Vapour pressure</b>	No information available
<b>Vapour density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Water solubility</b>	Dispersible
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	5-7 mPa.s @ 25 ° C
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	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**

<b>Hazardous reactions</b>	None under normal processing
<b>Hazardous polymerisation</b>	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

**11. TOXICOLOGICAL INFORMATION**

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### 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

### 11.2 Information on other hazards

**Endocrine disrupting properties** No information available

## 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

No product level data available

### 12.4 Mobility in soil

Soluble in water

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**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**

**Waste Disposal Method**            Avoid runoff to waterways and sewers  
     Dispose of in accordance with local regulations

**Contaminated packaging**            No special precautions are needed in handling this material.

**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

**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**

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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 Date 2020-04-27  
 Revision Note (M)SDS sections updated, 13, Updated Emergency Telephone number

**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 <sup>3</sup> STEL 30 mg/m <sup>3</sup> TWA 150 ppm TWA 474 mg/m <sup>3</sup> TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup> TWA 150 ppm TWA 470 mg/m <sup>3</sup> STEL 1410 mg/m <sup>3</sup> STEL 30 mg/m <sup>3</sup> STEL 450 ppm			
Carbon black	STEL 7 mg/m <sup>3</sup> TWA 3.5 mg/m <sup>3</sup>	TWA 3 mg/m <sup>3</sup> STEL 15 mg/m <sup>3</sup>	TWA 3.5 mg/m <sup>3</sup>		
Triethanolamine		TWA 5 mg/m <sup>3</sup> STEL 15 mg/m <sup>3</sup>		AGW 1 mg/m <sup>3</sup>	

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



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

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

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

**Disclaimer**

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