

# SAFETY DATA SHEET

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

SDS # : F-60039

## HF Aqueous Ink - Cyan

Issuing Date 2018-10-02

Revision Date 2020-02-27

Version 1.01

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

#### 1.1 Product Identifier

**Product Name** HF Aqueous Ink for Xerox® Baltoro™ HF InkJet Press  
**Part no.** 008R13257  
**Colour** Cyan

#### 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

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

<b>Symbol(s)</b>	None required
<b>Signal Word</b>	None
<b>Hazard Statements</b>	None required
<b>Precautionary Statements</b>	None required

#### 2.3 Other hazards

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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	50-60	7732-18-5	231-791-2	--	--	--
Propylene glycol	15-35	57-55-6	200-338-0	--	--	--
1,2-Hexanediol	<8	6920-22-5	230-029-6	Eye Irrit. 2	H319	--
Cyan pigment	<5	Proprietary	Listed	--	--	01-2119458771-32-0044
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.

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

<b>General advice</b>	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
<b>Eye contact</b>	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
<b>Skin contact</b>	Wash off with warm water and soap, Get medical attention if irritation develops and persists
<b>Inhalation</b>	Move to fresh air, Get medical attention immediately if symptoms occur
<b>Ingestion</b>	If swallowed, do not induce vomiting - seek medical advice

#### 4.2 Most important symptoms and effects, both acute and delayed

<b>Acute toxicity</b>	
<b>Eyes</b>	May cause slight irritation
<b>Skin</b>	No known effect
<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

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**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**

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

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### 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

Chemical Name	ACGIH TLV	European Union
Cyan pigment	TWA: 1 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

<b>Appearance</b>	Opaque	<b>Odour</b>	Slight
<b>Physical state</b>	Liquid	<b>Colour</b>	Cyan 7-9.5
<b>Flash point</b>	> 100 °C /	> 212 °F	
<b>Melting / Freezing Point</b>	Not applicable		
<b>Boiling point/boiling range</b>	Not determined		
<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		

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<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

### 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.
<b>Irritation</b>	May cause eye irritation

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Propylene glycol	20 g/kg ( Rat )	20800 mg/kg ( Rabbit )	

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Cyan pigment	10000 mg/kg ( Rat )		
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** Not classifiable as a human carcinogen

**Other toxic effects**

**Sensitisation** Contains a chemical that can cause an allergic reaction in susceptible people  
No hazard expected under normal conditions of use

**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

**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**

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**13.1 Disposal considerations**

**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

**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**

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 Revision Date 2020-02-27  
 Revision Note Initial Release  
**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
Propylene glycol	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			
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
Cyan pigment			STEL 4 mg/m <sup>3</sup> STEL 0.4 mg/m <sup>3</sup> TWA 1 mg/m <sup>3</sup> TWA 0.1 mg/m <sup>3</sup>	STEL 4mg/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*

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Cyan pigment	TWA 0.1 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
Propylene glycol	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>
Cyan pigment				TWA 0.02 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>	TWA 5 mg/m <sup>3</sup>	TWA 5 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>



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Chemical Name	Poland	Denmark	Sweden	Finland	Norway
			Indicative STEL 1.6 ppm A*		

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.