

SAFETY DATA SHEET

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

SDS # : F-60029

HF Aqueous Ink - Cyan

Issuing Date 2017-03-13

Revision Date 2022-06-16

Version 6

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. 008R13244
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 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

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

GHS Label elements, including precautionary statements

Symbol(s) None required
Signal Word None required

Hazard Statements None required
Precautionary Statements 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	50-75	7732-18-5	231-791-2	--	--	--
Aliphatic alcohol	15-30	Proprietary	Listed	--	--	--
1,2-Hexanediol	<10	6920-22-5	230-029-6	Eye Irrit. 2	H319	--
Cyan pigment	1-5	Proprietary	Listed	--	--	01-2119458771-32-0044
Polyethylene oxide wax	<2	Proprietary	--	Eye Irrit. 2	H319	--
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

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

May cause slight irritation

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

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Notes to physician Treat symptomatically

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

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

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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
Cyan pigment	TWA: 1 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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Opaque	Odour	Slight
Physical state	Liquid	Colour	Cyan
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		

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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

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.

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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)	
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

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

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

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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

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

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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			
Triethanolamine		TWA 5 mg/m ³ STEL 15 mg/m ³		AGW 1 mg/m ³	

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Cyan pigment			STEL 4 mg/m ³ STEL 0.4 mg/m ³ TWA 1 mg/m ³ TWA 0.1 mg/m ³	STEL 4mg/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
Cyan pigment	TWA 0.1 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

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Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Cyan pigment				TWA 0.02 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.