

SAFETY DATA SHEET

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

SDS # : F-60009

Aqueous Ink - Blue

Issuing Date 2015-01-14

Revision Date 2019-02-01

Version 4

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

1.1 Product Identifier

Product Name Aqueous Ink for Impika Compact/Evolution/Reference, Trivor 2400
Part no. 106R02270
 IMPIKA A0001760

Colour Blue

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.
 Xerox Environment, Health, Safety & Sustainability
 Monroe House
 Works Road
 Letchworth
 Herts. SG61LN
 UK

For further information, please contact

Contact person Manager, Environment, Health, Safety
 & Sustainability
Phone ++44 (0)1707 353434
Fax -
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

Symbol(s)	None required
Signal Word	None
Hazard Statements	None required
Precautionary Statements	None required

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2.3 Other hazards

No hazard expected under normal conditions of use

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	--	--	--
Glycerin	20-40	56-81-5	200-289-5	--	--	--
Diethylene glycol	5-25	111-46-6	203-872-2	Acute Tox. 4	H302	--
Diethylene glycol monobutyl ether	<5	112-34-5	203-961-6	Eye Irrit. 2	H319	--
Blue dye	2-4	12222-04-7	416-180-2	Acute Tox. 4 STOT RE 2	H302 H373	--
Triethanolamine	<0.1	102-71-6	203-049-8	--	--	--

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

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	Avoid contact with eyes, May cause slight irritation
Skin	Avoid contact with skin, Prolonged skin contact may defat the skin and produce dermatitis
Inhalation	No known effect
Ingestion	No known effect

Chronic effects

Chronic toxicity No known effects under normal use conditions

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

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

No information available

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point Not flammable

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

6.4 Reference to other sections

Do not dispose of waste into sewer

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

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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
Diethylene glycol monobutyl ether	TWA: 10 ppm	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³
Blue dye	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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Opaque	Odour	Slight
Physical state	Liquid	Colour	Blue
pH	8 - 10		
Flash point	Not flammable		
Boiling point/boiling range	>100 °C	/	>212 °F
Softening point	Not applicable		
Evaporation rate	No information available		
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		

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Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	Not determined
Viscosity	No information available

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 toxicological effects

Acute toxicity

<i>Product Information</i>	No acute toxicity information is available for this product.
Oral LD50	No information available
Dermal LD50	No information available

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Glycerin	12600 mg/kg (Rat)	10 g/kg (Rabbit)	570 mg/m ³ (Rat) 1 h

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Diethylene glycol	12565 mg/kg (Rat)	11890 mg/kg (Rabbit)	
Diethylene glycol monobutyl ether	5660 mg/kg (Rat)	2700 mg/kg (Rabbit)	
Triethanolamine	4190 mg/kg (Rat)	20 mL/kg (Rabbit) 16 mL/kg (Rat)	

Chronic toxicity

Carcinogenicity Not classifiable as a human carcinogen

Other toxic effects

Sensitisation Not expected to be a sensitizer

Mutagenic effects Not mutagenic

Teratogenicity No information available

Target organ effects No information available

Aspiration Hazard 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

Bioaccumulation is unlikely

12.4 Mobility in soil

Soluble

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations

Waste Disposal Method No special precautions are needed in handling this material

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

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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 Note Update to format

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

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

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H373 - May cause damage to organs through prolonged or repeated exposure

Additional advice

EU Country Specific Exposure Limits

Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Glycerin	STEL 30 mg/m ³ TWA 10 mg/m ³	TWA 10 mg/m ³ STEL 30 mg/m ³	TWA 10 mg/m ³	AGW 200 mg/m ³	
Diethylene glycol	STEL 69 ppm STEL 303 mg/m ³ TWA 23 ppm TWA 101 mg/m ³	TWA 23 ppm TWA 100 mg/m ³ STEL 69 ppm STEL 300 mg/m ³		AGW 10 ppm AGW 44 mg/m ³	
Diethylene glycol monobutyl ether	STEL 15 ppm STEL 101.2 mg/m ³ TWA 10 ppm TWA 67.5 mg/m ³	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	AGW 10 ppm AGW 67 mg/m ³	Huid* STEL 100 mg/m ³ TWA 50 mg/m ³
Triethanolamine		TWA 5 mg/m ³ STEL 15 mg/m ³			

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Glycerin	TWA 10 mg/m ³	SS-C** TWA 50 mg/m ³ STEL 100 mg/m ³			TWA 10 mg/m ³ Ceiling 15 mg/m ³
Diethylene glycol		SS-C** TWA 10 ppm TWA 44 mg/m ³ STEL 40 ppm STEL 176 mg/m ³	STEL 40 ppm STEL 176 mg/m ³ TWA 10 ppm TWA 44 mg/m ³		
Diethylene glycol monobutyl ether	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	SS-C** TWA 10 ppm TWA 67 mg/m ³ STEL 15 ppm STEL 101 mg/m ³	STEL 15 ppm STEL 101.2 mg/m ³ TWA 10 ppm TWA 67.5 mg/m ³	STEL 101.2mg/m ³ TWA 67.5mg/m ³	TWA 100 mg/m ³ Ceiling 100 mg/m ³
C.I. Direct blue 199			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 10 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
Glycerin	TWA 10 mg/m ³	TWA 10 mg/m ³		TWA 10 mg/m ³	
Diethylene glycol					STEL 184 ppm STEL 800 mg/m ³ TWA 115 ppm TWA 500 mg/m ³

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Chemical Name	Spain	Portugal	Italy	Greece	Romania
Diethylene glycol monobutyl ether	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	TWA 10 ppm TWA 67.5 mg/m ³ STEL 15 ppm STEL 101.2 mg/m ³	STEL 15 ppm STEL 101.2 mg/m ³ TWA 67.5 mg/m ³ TWA 10 ppm
Triethanolamine	TWA 5 mg/m ³	TWA 5 mg/m ³			

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Glycerin	TWA 10 mg/m ³			TWA 20 mg/m ³	
Diethylene glycol	TWA 10 mg/m ³	TWA 2.5 ppm TWA 11 mg/m ³	LLV 10 ppm LLV 45 mg/m ³ Indicative STLV 20 ppm Indicative STLV 90 mg/m ³ A*		
Diethylene glycol monobutyl ether	TWA 67 mg/m ³ STEL 100 mg/m ³	TWA 10 ppm TWA 68 mg/m ³	LLV 10 ppm LLV 68 mg/m ³ Binding STLV 15 ppm Binding STLV 101 mg/m ³	TWA 10 ppm TWA 68 mg/m ³	TWA 10 ppm TWA 68 mg/m ³ STEL 15 ppm STEL 102 mg/m ³
C.I. Direct blue 199				TWA 0.02 mg/m ³	
Triethanolamine		TWA 0.5 ppm TWA 3.1 mg/m ³	LLV 5 mg/m ³ LLV 0.8 ppm Indicative STLV 10 mg/m ³ Indicative STLV 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.