

# SAFETY DATA SHEET

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

SDS # : F-60008

## Aqueous Ink - Black

Issuing Date 2015-01-08

Revision Date 2018-11-26

Version 2

### 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.** 106R02269  
 IMPIKA A0001759

**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.  
 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  
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**Fax** -  
**E-mail address** ehs-europe@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

Germ Cell Mutagenicity	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**

H341 - Suspected of causing genetic defects

**Precautionary Statements**

P102 - Keep out of reach of children

P202 - Do not handle until all safety precautions have been read and understood

### 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	--
Black dye	3-5	6428-31-5	229-208-1	Germ Cell Mut. 2	H341	--

**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

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<b>Skin</b>	Avoid contact with skin, Prolonged skin contact may defat the skin and produce dermatitis
<b>Inhalation</b>	Avoid breathing vapours or mists, May be harmful if inhaled
<b>Ingestion</b>	Do not ingest, May be harmful if swallowed
<b>Chronic effects</b>	
<b>Chronic toxicity</b>	No known effects under normal use conditions
<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** Keep victim under observation, Symptoms may be delayed

## 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

**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, Prevent product from entering drains

### 6.4 Reference to other sections

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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

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 <sup>3</sup> STEL 15 ppm STEL 101.2 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.

### 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>	Black
<b>pH</b>	8 - 10		
<b>Flash point</b>	Not flammable		
<b>Boiling point/boiling range</b>	>100 °C /	>212 °F	
<b>Softening point</b>	Not applicable		

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<b>Evaporation rate</b>	No information available
<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>Density</b>	No information available
<b>Water solubility</b>	Soluble in water
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	No information available
<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 toxicological effects

#### Acute toxicity

*Product Information*

No acute toxicity information is available for this product.

**Irritation**

Irritating to eyes

*Component Information*

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Glycerin	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Diethylene glycol	12565 mg/kg ( Rat )	11890 mg/kg ( Rabbit )	
Diethylene glycol monobutyl ether	5660 mg/kg ( Rat )	2700 mg/kg ( Rabbit )	

#### Chronic toxicity

**Carcinogenicity**

Not classifiable as a human carcinogen

#### Other toxic effects

**Sensitisation**

Not expected to be a sensitizer

**Mutagenic effects**

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 in water

### 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

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**13.1 Disposal considerations**

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

**Contaminated packaging** This material and its container must be disposed of as hazardous waste.

**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**

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008

**15.2 Chemical Safety Assessment**

Not applicable

**16. OTHER INFORMATION**

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**Revision Note** (M)SDS sections updated, 3, 9, 13, Updated Emergency Telephone number

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

H302 - Harmful if swallowed

H319 - Causes serious eye irritation

H341 - Suspected of causing genetic defects

**Additional advice**
**EU Country Specific Exposure Limits**

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

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Glycerin	TWA 10 mg/m <sup>3</sup>	SS-C** TWA 50 mg/m <sup>3</sup> STEL 100 mg/m <sup>3</sup>			TWA 10 mg/m <sup>3</sup> Ceiling 15 mg/m <sup>3</sup>
Diethylene glycol		SS-C** TWA 10 ppm TWA 44 mg/m <sup>3</sup> STEL 40 ppm STEL 176 mg/m <sup>3</sup>	STEL 40 ppm STEL 176 mg/m <sup>3</sup> TWA 10 ppm TWA 44 mg/m <sup>3</sup>		
Diethylene glycol monobutyl ether	TWA 10 ppm TWA 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	SS-C** TWA 10 ppm TWA 67 mg/m <sup>3</sup> STEL 15 ppm STEL 101 mg/m <sup>3</sup>	STEL 15 ppm STEL 101.2 mg/m <sup>3</sup> TWA 10 ppm TWA 67.5 mg/m <sup>3</sup>	STEL 101.2mg/m <sup>3</sup> TWA 67.5mg/m <sup>3</sup>	TWA 100 mg/m <sup>3</sup> Ceiling 100 mg/m <sup>3</sup>

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Glycerin	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>		TWA 10 mg/m <sup>3</sup>	
Diethylene glycol					STEL 184 ppm STEL 800 mg/m <sup>3</sup> TWA 115 ppm TWA 500 mg/m <sup>3</sup>
Diethylene glycol monobutyl ether	TWA 10 ppm TWA 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	TWA 10 ppm TWA 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	TWA 10 ppm TWA 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	TWA 10 ppm TWA 67.5 mg/m <sup>3</sup> STEL 15 ppm STEL 101.2 mg/m <sup>3</sup>	STEL 15 ppm STEL 101.2 mg/m <sup>3</sup> TWA 67.5 mg/m <sup>3</sup> TWA 10 ppm



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Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Glycerin	TWA 10 mg/m <sup>3</sup>			TWA 20 mg/m <sup>3</sup>	
Diethylene glycol	TWA 10 mg/m <sup>3</sup>	TWA 2.5 ppm TWA 11 mg/m <sup>3</sup>	LLV 10 ppm LLV 45 mg/m <sup>3</sup> Indicative STLV 20 ppm Indicative STLV 90 mg/m <sup>3</sup> A*		
Diethylene glycol monobutyl ether	TWA 67 mg/m <sup>3</sup> STEL 100 mg/m <sup>3</sup>	TWA 10 ppm TWA 68 mg/m <sup>3</sup>	LLV 10 ppm LLV 68 mg/m <sup>3</sup> Binding STLV 15 ppm Binding STLV 101 mg/m <sup>3</sup>	TWA 10 ppm TWA 68 mg/m <sup>3</sup>	TWA 10 ppm TWA 68 mg/m <sup>3</sup> STEL 15 ppm STEL 102 mg/m <sup>3</sup>

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.