

# SAFETY DATA SHEET

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

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

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

#### 1.1 Product Identifier

**Product Name** Aqueous Ink for Impika Compact/Evolution/Reference  
**Part no.** 106R02664  
 IMPIKA A0004982  
 Kits: 497N03465, 497N05548

**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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**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

Serious eye damage/eye irritation	Category 2
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#### 2.2 Label elements

**Symbol(s)**

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7


**Signal Word**

Warning

**Hazard Statements**
**Precautionary Statements**

H319 - Causes serious eye irritation

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	50-60	7732-18-5	231-791-2	--	--	--
Glycerol	20-30	56-81-5	200-289-5	--	--	--
Carbon black	1-10	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
Triethylene glycol, monobutyl ether	2.5-3	143-22-6	205-592-6	Eye Dam. 1	H318	--
2-Pyrrolidone	1-10	616-45-5	210-483-1	Eye Irrit. 2	H319	--
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

**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

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

**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

**Inhalation**

May cause irritation of respiratory tract

**Ingestion**

Do not ingest

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

None in particular

**5.3 Advice for fire-fighters**

Wear self-contained breathing apparatus and protective suit.

**Other information**
**Flash point** > 93 °C / > 199 °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**

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

**Methods for containment**      Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal  
**Methods for cleaning up**      Soak up with inert absorbent material, Prevent product from entering drains

### 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, Prevent the formation of vapours, mist and aerosols

### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool 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>	

### 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		

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

<b>Flash point</b>	> 93 °C / > 199 °F
<b>Boiling point/boiling range</b>	No information available
<b>Softening point</b>	Not applicable
<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>	1.1 g/cm <sup>3</sup>
<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

None known based on information supplied

### 10.5 Incompatible Materials

None known based on information supplied

### 10.6 Hazardous decomposition products

Undefined, but may include toxic oxides of carbon and nitrogen

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

### 11. TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

##### 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
Glycerol	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Carbon black	15400 mg/kg ( Rat )	3 g/kg ( Rabbit )	
Triethylene glycol, monobutyl ether	5300 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	
2-Pyrrolidone	6500 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	80 ppm ( Rat ) 8 h
1,2-Benzisothiazolin-3-one	1020 mg/kg ( Rat )		

##### Chronic toxicity

##### Carcinogenicity

See "Other Information" in this section.

Chemical Name	IARC	NTP
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  
No hazard expected under normal conditions of use

##### 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

SDS # : F-60017

**Aqueous Ink - Black**

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

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****13.1 Disposal considerations****Waste Disposal Method**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

SDS # : F-60017

## Aqueous Ink - Black

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

### 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

Issuing Date 2015-02-20

Revision Date 2018-11-21

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
Glycerol	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>	
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>		

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Glycerol	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>
Carbon black	TWA 3.5 mg/m <sup>3</sup>				TWA 2.0 mg/m <sup>3</sup>

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Glycerol	TWA 10 mg/m <sup>3</sup>	TWA 10 mg/m <sup>3</sup>		TWA 10 mg/m <sup>3</sup>	
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>	

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Glycerol	TWA 10 mg/m <sup>3</sup>			TWA 20 mg/m <sup>3</sup>	
Carbon black	TWA 4.0 mg/m <sup>3</sup>	TWA 3.5 mg/m <sup>3</sup>	LLV 3 mg/m <sup>3</sup>	TWA 3.5 mg/m <sup>3</sup>	TWA 3.5 mg/m <sup>3</sup>



SDS # : F-60017

**Aqueous Ink - Black**

Issuing Date 2015-02-20

Revision Date 2018-11-21

Version 7

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
				STEL 7 mg/m <sup>3</sup>	STEL 7 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.