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

SDS # : F-60004  
Aqueous Ink - Black

Issuing Date 2014-12-08  
Revision Date 2018-11-19  
Version 9

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

1.1 Product Identifier

Product Name  
Aqueous Ink for Xerox Rialto 900, Xerox Brenva HD Production Inkjet Press (Print Module)

Part no.  
008R13197, 071E02060  
IMPIKA A0007311

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

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 required

Hazard Statements  
None required
Precautionary Statements

None required

2.3 Other hazards

Contains a chemical that can cause an allergic reaction in susceptible people

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS No.</th>
<th>EC-No</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>50-60</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Glycerol</td>
<td>20-40</td>
<td>56-81-5</td>
<td>200-289-5</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Carbon black</td>
<td>5-10</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>--</td>
<td>--</td>
<td>01-2119384822-32-0065</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>1-10</td>
<td>616-45-5</td>
<td>210-483-1</td>
<td>Eye Irrit. 2</td>
<td>H319</td>
<td>--</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>&lt;0.05</td>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>Acute Tox. 4</td>
<td>H302</td>
<td>--</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1</td>
<td>H318</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H317</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td></td>
</tr>
</tbody>
</table>

Full text of H-statement: 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 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

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

None in particular

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point  > 93.34 °C / > 200.01 °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

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>TWA: 3 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Opaque</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight</td>
</tr>
<tr>
<td>Colour</td>
<td>Black</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93.34 °C / &gt; 200.01 °F</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
</tr>
<tr>
<td>Softening point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive Limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>1.1 g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Soluble in water</td>
</tr>
</tbody>
</table>
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
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

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity
Product Information: No acute toxicity information is available for this product.
Irritation: May cause skin and eye irritation

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg (Rat)</td>
<td>10 g/kg (Rabbit)</td>
<td>570 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Carbon black</td>
<td>15400 mg/kg (Rat)</td>
<td>3 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>6500 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>80 ppm (Rat) 8 h</td>
</tr>
</tbody>
</table>
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### Chronic toxicity

#### Carcinogenicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>2B</td>
<td></td>
</tr>
</tbody>
</table>

See "Other Information" in this section.

#### 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
- **Target organ effects**: No hazard expected under normal conditions of use
- **Aspiration Hazard**: No information available

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### 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

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### 13. DISPOSAL CONSIDERATIONS

#### 13.1 Disposal considerations

**Waste Disposal Method**: Avoid runoff to waterways and sewers
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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
Not applicable

16. OTHER INFORMATION

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**Revision Note**  
Update to format, (M)SDS sections updated, 13

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

- **H302** - Harmful if swallowed
- **H317** - May cause an allergic skin reaction
- **H318** - Causes serious eye damage
- **H319** - Causes serious eye irritation
- **H400** - Very toxic to aquatic life
- **H315** - Causes skin irritation

**Additional advice**

**EU Country Specific Exposure Limits**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>The United Kingdom</th>
<th>Ireland</th>
<th>France</th>
<th>Germany</th>
<th>The Netherlands</th>
</tr>
</thead>
</table>
| Glycerol      | STEL 30 mg/m³  
TWA 10 mg/m³ | TWA 10 mg/m³  
STEL 30 mg/m³ | TWA 10 mg/m³ | AGW 200 mg/m³ |
| Carbon black  | STEL 7 mg/m³  
TWA 3.5 mg/m³ | TWA 3 mg/m³  
STEL 15 mg/m³ | TWA 3.5 mg/m³ |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Belgium</th>
<th>Switzerland</th>
<th>Austria</th>
<th>Hungary</th>
<th>Czech Republic</th>
</tr>
</thead>
</table>
| Glycerol      | TWA 10 mg/m³ | SS-C**  
TWA 50 mg/m³  
STEL 100 mg/m³ | Ceiling 15 mg/m³ |
| Carbon black  | TWA 3.5 mg/m³ | TWA 10 mg/m³ |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Spain</th>
<th>Portugal</th>
<th>Italy</th>
<th>Greece</th>
<th>Romania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| Carbon black  | TWA 3.5 mg/m³ | TWA 3.5 mg/m³  
C(A4) | TWA 3.5 mg/m³  
STEL 7 mg/m³ |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Poland</th>
<th>Denmark</th>
<th>Sweden</th>
<th>Finland</th>
<th>Norway</th>
</tr>
</thead>
</table>
| Glycerol      | TWA 10 mg/m³ | TWA 3.5 mg/m³ | LLV 3 mg/m³ | TWA 3.5 mg/m³  
STEL 7 mg/m³ | TWA 3.5 mg/m³ |
| Carbon black  | TWA 4.0 mg/m³ | TWA 3.5 mg/m³ | TWA 3.5 mg/m³  
STEL 7 mg/m³ | TWA 3.5 mg/m³ |

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.