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

SDS #: F-60005

Aqueous Ink - Magenta

Issuing Date 2014-12-08  Revision Date 2019-02-04  Version 11

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. 008R13199, 071E02040
IMPIKA A0007313
Colour Magenta

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

+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

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Label(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

2.2 Label elements

Symbol(s)
Aqueous Ink - Magenta

Signal Word

Warning

Hazard Statements
H319 - Causes serious eye irritation
P280 - Wear 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

Precautionary Statements
P280 - Wear 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

2.3 Other hazards
May cause harm to the unborn child
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>45-55</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>2-Pyrrolidone</td>
<td>1-5</td>
<td>616-45-5</td>
<td>210-483-1</td>
<td>Eye Irrit. 2</td>
<td>H319</td>
<td>H318</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>1-5</td>
<td>143-22-6</td>
<td>205-592-6</td>
<td>Eye Dam. 1</td>
<td>H318</td>
<td>H318</td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</td>
<td>--</td>
<td>--</td>
<td>01-2119456804-33-0008</td>
</tr>
<tr>
<td>Sulfolane</td>
<td>&lt;1</td>
<td>126-33-0</td>
<td>204-783-1</td>
<td>Acute Tox. 4</td>
<td>H302</td>
<td>H361</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Repro 2</td>
<td></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>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1</td>
<td>H318</td>
<td>H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H317</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td>H400</td>
</tr>
</tbody>
</table>

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
4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity

- Eyes: Irritating to eyes
- 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: Heating or fire conditions liberates toxic gas, 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

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
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
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

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>Appearance</th>
<th>Odour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opaque</td>
<td>Slight</td>
</tr>
</tbody>
</table>
### Physical state
- **Flash point**: 93.34 200.01
- **Boiling point/boiling range**: No information available
- **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**: 1.1 g/cm³
- **Density**: 1.1 g/cm³
- **Water solubility**: Soluble in water
- **Partition coefficient**: No information available
- **Autoignition temperature**: Not determined
- **Decomposition temperature**: Not determined
- **Viscosity**: No information available
- **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
- Heat, flames and sparks, Take precautionary measures against static discharges

#### 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

<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>2-Pyrrolidone</td>
<td>6500 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>80 ppm (Rat) 8 h</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>5300 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>23 g/kg (Rat)</td>
<td>3 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Sulfolane</td>
<td>1540 µL/kg (Rat)</td>
<td>3180 µL/kg (Rabbit)</td>
<td>12 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>1020 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Irritation: Irritating to eyes and skin

Component Information

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

Reproductive toxicity: Avoid contact during pregnancy/while nursing

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

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.

   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

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

16. OTHER INFORMATION

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
H361d - Suspected of damaging the unborn child
H400 - Very toxic to aquatic life

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>
<tbody>
<tr>
<td>Glycerol</td>
<td>STEL 30 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>AGW 200 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<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>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>SS-C**</td>
<td>TWA 50 mg/m³</td>
<td>Ceiling 15 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<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 10 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Poland</th>
<th>Denmark</th>
<th>Sweden</th>
<th>Finland</th>
<th>Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>TWA 20 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
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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.