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

SDS # : F-60006
Aqueous Ink - Cyan

Issuing Date 2014-12-08  Revision Date 2018-11-20  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.  008R13198, 071E02030
          IMPIKA A0007312
Colour  Cyan

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

| Serious eye damage/eye irritation | Category 2 |

2.2 Label elements

Symbol(s)
**Signal Word**

**Warning**

**Hazard Statements**

H319 - Causes serious eye irritation

**Precautionary Statements**

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

<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>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>--</td>
</tr>
<tr>
<td>Cyan pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</td>
<td>--</td>
<td>--</td>
<td>01-2119458771-32-0044</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>&lt;1</td>
<td>143-22-6</td>
<td>205-592-6</td>
<td>Eye Dam. 1</td>
<td>H318</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, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1</td>
<td>H302, H315, H318, H317, H400</td>
<td>--</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Eyes</th>
<th>Irritating to eyes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Skin</td>
<td>May cause irritation</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known effect</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>No known effect</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chronic effects</th>
<th>Chronic toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main symptoms</td>
<td>Overexposure may cause:</td>
</tr>
<tr>
<td></td>
<td>Eye irritation</td>
</tr>
<tr>
<td></td>
<td>Skin irritation</td>
</tr>
</tbody>
</table>

### 4.3 Indication of immediate medical attention and special treatment needed

**Notes to physician**
Treat symptomatically

### 6. 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>Cyan pigment</td>
<td>TWA: 1 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)

<table>
<thead>
<tr>
<th>Protection</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/face protection</td>
<td>If splashes are likely to occur, wear: Goggles</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>None under normal use conditions</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Use only with adequate ventilation.</td>
</tr>
</tbody>
</table>

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</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>Cyan</td>
</tr>
</tbody>
</table>
Aqueous Ink - Cyan

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: No information available
Density: 1.1 g/cm³
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
None known based on information supplied

10.5 Incompatible Materials
None known based on information supplied

10.6 Hazardous decomposition products
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

<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>Cyan pigment</td>
<td>10000 mg/kg (Rat)</td>
<td></td>
<td></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>1,2-Benzisothiazolin-3-one</td>
<td>1020 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
No hazard expected under normal conditions of use

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
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

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 2014-12-08
Revision Date 2018-11-20
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
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

<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>STEL 30 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>AGW 200 mg/m³</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></td>
<td></td>
<td>TWA 10 mg/m³, Ceiling 15 mg/m³</td>
</tr>
<tr>
<td>Cyan pigment</td>
<td></td>
<td>STEL 4 mg/m³</td>
<td>STEL 0.4 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>STEL 4mg/m³</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></td>
<td>TWA 20 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cyan pigment</td>
<td></td>
<td></td>
<td></td>
<td>TWA 0.02 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

Disclaimer
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