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.: 008R13200, 071E02050
IMPIKA A0007314
Colour: Yellow

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)
Aqueous Ink - Yellow

Issuing Date: 2014-12-08
Revision Date: 2019-01-30
Version: 9.01

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>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>Yellow pigment</td>
<td>1-10</td>
<td>Proprietary</td>
<td>Listed</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>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>--</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 Irr. 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- 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 flux 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

604E72640
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
- Skin: May cause irritation
- Inhalation: No known effect
- Ingestion: No known effect

Chronic effects
- Chronic toxicity: No known effects under normal use conditions

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**

**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)**

<table>
<thead>
<tr>
<th>Protection</th>
<th>Details</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>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Appearance</strong></td>
<td>Opaque</td>
</tr>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 93.34 °C /</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>Slight</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>Yellow</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>&gt; 200.01 °F</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Hazardous reactions</th>
<th>None under normal processing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous polymerisation</td>
<td>Hazardous polymerisation does not occur</td>
</tr>
</tbody>
</table>

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-60007
Aqueous Ink - Yellow

Issuing Date 2014-12-08  Revision Date 2019-01-30  Version 9.01

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>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

Target organ effects
No hazard expected under normal conditions of use

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 | 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
16. OTHER INFORMATION

**Issuing Date**: 2014-12-08
**Revision Date**: 2019-01-30
**Revision Note**: Updated Emergency Telephone number, (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>TWA 10 mg/m³</td>
<td>AGW 200 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA 10 mg/m³</td>
<td>STEL 30 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>K1</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>TWA 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 100 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>C</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>TWA 10 mg/m³</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>TWA 10 mg/m³</td>
<td>TWA 20 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**

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.