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

SDS # : F-60007

Aqueous Ink - Yellow

Issuing Date 2014-12-08 Revision Date 2020-11-18 Version 12

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.
Building 4
Uxbridge Business Park
Sanderson Road
Uxbridge
Middlesex. UB8 1DH
UK

For further information, please contact
Contact person Manager, Environment, Health, Safety & Sustainability
Phone ++44 (0)1707 353434
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>Characteristic</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B</td>
</tr>
</tbody>
</table>

2.2 Label elements

Symbol(s)
Signal Word

Hazard Statements
H319 - Causes serious eye irritation
H360 - May damage fertility or the unborn child if swallowed
None required
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
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P308 + P313 - IF exposed or concerned: 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>3-5</td>
<td>616-45-5</td>
<td>210-483-1</td>
<td>Eye Irrit 2 Repro Tox 1B</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 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.
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
Do not ingest. If swallowed, do not induce vomiting—seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity
Eyes
Avoid contact with eyes. May cause slight irritation.

Skin
Avoid contact with skin. Prolonged skin contact may defat the skin and produce dermatitis.

Inhalation
No known effect.

Ingestion
Do not ingest. May be harmful if swallowed.

Chronic effects
Chronic toxicity
No known effects under normal use conditions.

Main symptoms
Overexposure may cause:
- Eye irritation
- Skin irritation
- May damage fertility or the unborn child

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\textsubscript{2}). Use extinguishing agent suitable for type of surrounding fire.

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

No information available.

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

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flammability
Not flammable.

Flash point
Not flammable.

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, Avoid runoff to waterways and sewers

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
Methods for cleaning up: Soak up with inert absorbent material

6.4 Reference to other sections

For personal protection see section 8
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.

Environmental Exposure Controls

Environmental Exposure Controls: Do not allow material to contaminate ground water system.
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>8 - 10</td>
</tr>
<tr>
<td>Odour</td>
<td>Slight</td>
</tr>
<tr>
<td>Colour</td>
<td>Yellow</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not flammable</td>
</tr>
<tr>
<td>Melting / Freezing Point</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt;100 °C / &gt;212 °F</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</td>
<td>Not flammable</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>Water solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No information available</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No information available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Particle characteristics</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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
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 hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity**

*Product Information*

**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>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**

Not expected to be a sensitizer

**Mutagenic effects**

Not mutagenic

**Reproductive toxicity**

May damage fertility or the unborn child if swallowed

**Target organ effects**

None known

**Aspiration Hazard**

No information available

11.2 **Information on other hazards**

**Endocrine disrupting properties**

No information available

12. **ECOLOGICAL INFORMATION**

12.1 **Toxicity**

On available data, the mixture / preparation is not harmful to aquatic life
Acute Aquatic Toxicity: No product level data available
Chronic Aquatic Toxicity: No product level data available

12.2 Persistence and degradability
No product level data available

12.3 Bioaccumulative potential
Bioaccumulation is unlikely

12.4 Mobility in soil
Soluble

12.5 Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

12.6 Endocrine disrupting properties
No information available

12.7 Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations
Avoid runoff to waterways and sewers
This material and its container must be disposed of as hazardous waste

EWC Waste Disposal No. 08 03 12*

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
Aqueous Ink - Yellow

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 2020-11-18
Revision Note (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
H336 - May damage fertility or the unborn child if swallowed
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, TWA 10 mg/m³</td>
<td></td>
<td>TWA 10 mg/m³</td>
<td>AGW 200 mg/m³</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>
</table>

BR547
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<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/m$^3$</td>
<td>SS-C** TWA 50 mg/m$^3$ TWA 100 mg/m$^3$</td>
<td></td>
<td>TWA 10 mg/m$^3$ Ceiling 15 mg/m$^3$</td>
<td></td>
</tr>
<tr>
<td>Yellow pigment</td>
<td></td>
<td></td>
<td>C</td>
<td></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/m$^3$</td>
<td>TWA 10 mg/m$^3$</td>
<td></td>
<td>TWA 10 mg/m$^3$</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/m$^3$</td>
<td></td>
<td></td>
<td>TWA 20 mg/m$^3$</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.