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

Product Identifier

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

Part no.
008R13198, 071E02030
IMPIKA A0007312

Color
Cyan

Pure substance/mixture
Mixture

Recommended Use
Ink jet printing

Details of the supplier of the safety data sheet

Supplier
Xerox Corporation
Webster, NY 14580

Contact person
Manager, Environment, Health, Safety & Sustainability
askxerox@xerox.com

Emergency telephone
Safety Information US: (800) 275-9376
Chemical Emergency only (Chemtrec) (800) 424-9300

For the most current document
https://safetysheets.business.xerox.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Serious eye damage/eye irritation
Category 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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>50-60</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>20-40</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>616-45-5</td>
<td>1-5</td>
<td>Eye Irrit. 2</td>
<td>H319</td>
</tr>
<tr>
<td>Cyan pigment</td>
<td>Proprietary</td>
<td>1-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>143-22-6</td>
<td>&lt;1</td>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>2634-33-5</td>
<td>&lt;0.05</td>
<td>Acute Tox. 4</td>
<td>H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
<td>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1</td>
<td>H400</td>
</tr>
</tbody>
</table>

"--" 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.

Full text of H- statements: see section 16

4. FIRST AID MEASURES

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.

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 toxicity
Repeated contact may cause allergic reactions in very susceptible persons

Main symptoms
Overexposure may cause:

Eye irritation

Skin irritation

Indication of immediate medical attention and special treatment needed

Protection of first-aiders
No special protective equipment required

Notes to physician
Treat symptomatically
5. FIRE-FIGHTING MEASURES

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

Special hazards arising from the substance or mixture

None in particular

Hazardous combustion products

Thermal decomposition can lead to release of irritating gases and vapors

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

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes, Use personal protective equipment

Environmental precautions

Should not be released into the environment, Do not allow material to contaminate ground water system

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so, Dike 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

Reference to other sections

Do not dispose of waste into sewer

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on 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

Conditions for safe storage, including any incompatibilities

Technical measures and storage Keep container tightly closed in a dry and well-ventilated place, Keep out of the reach of children, Handle with care

Incompatible products None known based on information supplied

Specific end uses

Ink jet printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits
Chemical Name | ACGIH TLV | OSHA PEL
---|---|---
Glycerol | TWA: 15 mg/m³ | TWA: 5 mg/m³
Cyan pigment | TWA: 1 mg/m³ |

**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

**Information on basic physical and chemical properties**

- **Appearance**
  Opaque

- **Physical state**
  Liquid

- **Color**
  Cyan

- **Odor**
  Slight

- **Odor threshold**
  No information available

- **pH**
  No information available

- **Flash point**
  > 93.34 °C / > 200.01 °F

- **Boiling point/range**
  No information available

- **Softening point**
  Not applicable

- **Evaporation rate**
  No information available

- **Flammability Limits in Air**
  No information available

- **Vapor pressure**
  No information available

- **Vapor 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

- **Oxidizing properties**
  Not applicable

**Other information**

None

### 10. STABILITY AND REACTIVITY

**Reactivity**
No dangerous reaction known under conditions of normal use

**Chemical stability**
Stable under normal conditions.

**Possibility of hazardous reactions**

- **Hazardous reactions**
  None under normal processing

- **Hazardous polymerization**
  Hazardous polymerization does not occur
Conditions to avoid
None known based on information supplied

Incompatible Materials
None known based on information supplied

Hazardous decomposition products
Undefined, but may include toxic oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

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

Sensitization
Contains a chemical that can cause an allergic reaction in susceptible people
No hazard expected under normal conditions of use

Neurological Effects
No information available

Target organ effects
No information available

CMR Effects

Mutagenic effects
No information available

Reproductive toxicity
No information available

Carcinogenicity
Contains no ingredient listed as a carcinogen

Other toxic effects

Aspiration Hazard
No information available

12. ECOLOGICAL INFORMATION

Toxicity

Acute Aquatic Toxicity
On available data, substance is not harmful to aquatic life.

Chronic Aquatic Toxicity
On available data, substance is not harmful to aquatic life.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td></td>
<td>LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h</td>
<td></td>
<td>EC50 &gt; 500 mg/L 24 h</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>250 mg/L EC50 72 h (Desmodesmus subspicatus) 84 mg/L EC50 96 h (Desmodesmus subspicatus)</td>
<td>LC50 4600 - 10000 mg/L Brachydanio rerio 96 h</td>
<td></td>
<td>LC50 = 3.4 mg/L 96 h</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>500 mg/L EC50 72 h (Desmodesmus)</td>
<td>LC50= 2400 mg/L Pimephales promelas 96 h</td>
<td></td>
<td>EC50 &gt; 500 mg/L 48 h</td>
</tr>
</tbody>
</table>
Persistence and degradability
No product level data available

Bioaccumulative potential
Bioaccumulation is unlikely

Mobility in soil
Soluble in water

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>-1.76</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>-0.71</td>
</tr>
<tr>
<td>Cyan pigment</td>
<td>6.6</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>0.51</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>1.3</td>
</tr>
</tbody>
</table>

Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods
Do not dispose of waste into sewer
Dispose of in accordance with all applicable local and national environmental laws and regulations

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Canada
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR), and the SDS contains all the information required by the HPR.

International Inventories
TSCA Complies
DSL/NDSL Complies

U.S. Federal Regulations
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:
Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product contains the following HAPs:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>HAPS data</th>
<th>VOC Chemicals</th>
<th>Class 1 Ozone Depletors</th>
<th>Class 2 Ozone Depletors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>56-81-5</td>
<td>20-40</td>
<td></td>
<td></td>
<td>Group II</td>
<td></td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>143-22-6</td>
<td>&lt;1</td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations
This product is subject to U.S. State Right-to-know regulations as noted below.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION
Issuing Date 2014-12-08
Revision Date 2018-11-20
Revision Note Update to Format, (M)SDS sections updated; 15
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

Disclaimer
The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

end