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

Product Identifier

Product Name
Aqueous Ink

Part no.
008R13197, 071E02060
IMPIKA A0007311

Color
Black

Pure substance/mixture
Mixture

Recommended Use
Ink jet printing

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture
Not classified

Label elements

Symbol(s)
None required

Signal Word
None required

Hazard Statements
None required

Precautionary Statements
None required

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Supplier
Xerox Corporation
Webster, NY 14580

Contact person
Manager, Environment, Health, Safety & Sustainability

E-mail address
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
**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>Carbon black</td>
<td>1333-86-4</td>
<td>5-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>616-45-5</td>
<td>1-10</td>
<td>Eye Irrit. 2</td>
<td>H319</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.

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**: May cause irritation
- **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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA: 15 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td>Carbon black</td>
<td>TWA: 3 mg/m³</td>
<td>TWA: 3.5 mg/m³</td>
</tr>
</tbody>
</table>

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

<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>Color</td>
<td>Black</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>No information available</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 Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt; 93.34 °C / &gt; 200.01 °F</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>No information available</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 Limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>No information available</td>
</tr>
<tr>
<td>Density</td>
<td>1.1 g/cm³</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 explosive</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

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
May cause skin and eye irritation

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50 (Rat)</th>
<th>Dermal LD50 (Rabbit)</th>
<th>LC50 Inhalation (Rat) 1 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg</td>
<td>10 g/kg</td>
<td>570 mg/m³</td>
</tr>
<tr>
<td>Carbon black</td>
<td>15400 mg/kg</td>
<td>3 g/kg</td>
<td></td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>6500 mg/kg</td>
<td>2000 mg/kg</td>
<td>80 ppm</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
See "Other Information" in this section.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>2B</td>
<td></td>
</tr>
</tbody>
</table>

Other information

The IARC (International Agency for Research on Cancer) has listed carbon black as "possibly carcinogenic to humans". The classification is based on studies evaluating pure, "free" carbon black. In the process of making this product, the small amount of carbon black is dispersed in a liquid and is not expressed as "free" carbon black. Therefore, this classification does not apply to this product.

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>EC50 &gt; 500 mg/L 24 h</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td></td>
<td></td>
<td></td>
<td>EC50 &gt; 5600 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>LC50 = 3.4 mg/L 96 h</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
No product level data available

Bioaccumulative potential
Bioaccumulation is unlikely
Mobility in soil
Soluble in water

<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>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
Waste Disposal 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 does not contain any 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 substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

<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>
</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 contains the following Proposition 65 chemicals:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>California Prop. 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>Carcinogen</td>
</tr>
</tbody>
</table>

**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>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Glycerol</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>X</td>
<td></td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>X</td>
<td></td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**16. OTHER INFORMATION**

**Issuing Date** 2014-12-08  
**Revision Date** 2018-11-19  
**Revision Note** (M)SDS sections updated: 15  

Full text of H-Statements referred to under sections 2 and 3

- **H302** - Harmful if swallowed  
- **H317** - May cause an allergic skin reaction  
- **H318** - Causes serious eye damage  
- **H319** - Causes serious eye irritation  
- **H400** - Very toxic to aquatic life  
- **H315** - Causes skin irritation

**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.