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

Product Identifier

Product Name
Aqueous Ink

Part no.
008R13199, 071E02040
IMPIKA A0007313

Color
Magenta

Pure substance/mixture
Mixture

Relevant identified uses of the substance or mixture and uses advised against
Recommended Use
Ink jet printing

Details of the supplier of the safety data sheet
Supplier
Xerox Corporation
Webster, NY  14580

For further information, please contact
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

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 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
May cause harm to the unborn child
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>45-55</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>Triethylene glycol, monobutyl ether</td>
<td>143-22-6</td>
<td>1-5</td>
<td>Eye Dam. 1</td>
<td>H318</td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>Proprietary</td>
<td>1-10</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Sulfolane</td>
<td>126-33-0</td>
<td>&lt;1</td>
<td>Acute Tox. 4, Repro 2</td>
<td>H302, H303, H361</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
IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE:

General advice
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

Eye contact
Wash off with warm water and soap. Get medical attention if irritation develops and persists

Skin contact
Move to fresh air. Get medical attention immediately if symptoms occur

Inhalation
If swallowed, do not induce vomiting - seek medical advice

Ingestion
May cause irritation

Most important symptoms and effects, both acute and delayed

Acute toxicity
Eyes: Irritating to eyes
Skin: May cause irritation

Chronic toxicity
Repeated contact may cause allergic reactions in very susceptible persons

Main symptoms
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
Heating or fire conditions liberates toxic gas, 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  200.01

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
See section 12 for additional ecological information
See Section 13 for additional information

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

<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>
</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>Magenta</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point</td>
<td>93.34  200.01</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

Heat, flames and sparks, Take precautionary measures against static discharges

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 (Rat)</th>
<th>Dermal LD50 (Rabbit)</th>
<th>LC50 Inhalation (Rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg</td>
<td>10 g/kg</td>
<td>570 mg/m³ (1 h)</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>6500 mg/kg</td>
<td>2000 mg/kg</td>
<td>80 ppm (8 h)</td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>5300 mg/kg</td>
<td>2000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Magenta pigment</td>
<td>23 g/kg (Rat)</td>
<td>3 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>Sulfolane</td>
<td>1540 µL/kg</td>
<td>3180 µL/kg</td>
<td>12 mg/L (4 h)</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>1020 mg/kg</td>
<td>(Rat)</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

Avoid contact during pregnancy/while nursing

May cause harm to the unborn child

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>LC50 51 - 57 mL/L</td>
<td>EC50 72 h</td>
<td>Oncorhynchus mykiss 96 h</td>
<td>EC50 &gt; 500 mg/L 24 h</td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>250 mg/L EC50 72 h</td>
<td>84 mg/L EC50 96 h</td>
<td>Desmodesmus subspicatus</td>
<td>LC50 4600 - 10000 mg/L Brachydanio rerio 96 h</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LC50 = 3.4 mg/L 96 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>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

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

California Waste Status
This product does not contain any substances listed with the State of California as a hazardous waste.

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 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
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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>143-22-6</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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></td>
<td></td>
</tr>
<tr>
<td>Triethylene glycol, monobutyl ether</td>
<td>143-22-6</td>
<td>1-5</td>
<td>Present</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sulfolane</td>
<td>126-33-0</td>
<td>&lt;1</td>
<td></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></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>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>
<tr>
<td>Sulfolane</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Issuing Date 2014-12-08
Revision Date 2019-02-04
Revision Note Address for some geographies updated

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
H361d - Suspected of damaging the unborn child
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