

# Material Safety Data Sheet

SDS #: F-60048

## Aqueous Magenta Ink

Issuing Date 22-Feb-2021

Revision date 13-Nov-2024

Revision Number 10

**Active**

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

**Product Identifier**

**Product Name**

Aqueous Ink for Xerox® Rialto® 900 Inkjet Press, Xerox® Brenva® HD Production Inkjet Press

Part no. 008R13309

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 Address 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>

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

Serious eye damage/eye irritation	Category 2
Skin sensitization	Category 1A

**Label elements**

**GHS Label elements, including precautionary statements**

**Hazard symbols**



Signal word

Warning

- Hazard Statements** H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation
- Precautionary statements** P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P280 - Wear eye protection/ face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

**Other hazards**

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Chemical name	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Hazard Statements
Water	7732-18-5	50-75	--	--
Glycerin	56-81-5	20-30	--	--
Magenta pigment	Proprietary	1-10	--	--
2-Pyrrolidone	616-45-5	<3	Eye Irrit. 2 Repro Tox 1B	H319 H360
Triethylene glycol, monobutyl ether	143-22-6	<3	Eye Dam. 1	H318
Additive	9014-85-1	<1	Aquatic Chronic 3 Skin Sens. 1B Eye Dam. 1	H318 H317 H412
1,2-Hexanediol	6920-22-5	<1	Eye Irrit. 2	H319
Polyethylene glycol monobutyl ether	9004-77-7	<1	Eye Dam. 1	H318
1,2-Benzisothiazolin-3-one	2634-33-5	<0.05	Acute Tox. 2/inhal. (ATE = 0.21 mg/L, dusts or mists) Acute Tox. 4/oral (ATE = 450 mg/kg bw) Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1A (C ≥ 0.036 %) Aquatic Acute 1 (M = 1) Aquatic Chronic 1 (M = 1)	H318 H315 H400 H410 H302 H317 H330

"--" indicates no classification or hazard statements apply.

Full text of H- statements: see section 16

SECTION 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** Clean mouth with water and afterwards drink plenty of water, Consult a physician if

necessary, Do NOT induce vomiting

**Most important symptoms and effects, both acute and delayed**

**Acute toxicity**

<b>Eyes</b>	May cause irritation
<b>Skin</b>	May cause irritation
<b>Inhalation</b>	May cause irritation of respiratory tract
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

**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**

<b>Protection of first-aiders</b>	Avoid contact with skin, eyes and clothing
<b>Notes to physician</b>	Treat symptomatically

**SECTION 5. FIRE-FIGHTING MEASURES**

**Extinguishing media**

<b>Suitable extinguishing media</b>	Water spray, Foam, Carbon dioxide (CO <sub>2</sub> )
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire

**Special hazards arising from the substance or mixture**

**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**

<b>Flammability</b>	Not flammable. Will not readily ignite.
<b>Flash point</b>	> 100 °C

**SECTION 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**

<b>Methods for containment</b>	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
<b>Methods for cleaning up</b>	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

**SECTION 7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice, Ensure adequate ventilation, Prevent the formation of vapors, mists and aerosols, Avoid contact with skin, eyes and clothing, Do not ingest

**Conditions for safe storage, including any incompatibilities**

**Technical measures and storage conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place, Keep out of the reach of children

**Incompatible products** Alkali metals, Strong oxidizing agents, Peroxides

**Specific end uses**

Ink jet printing

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits**

Chemical name	ACGIH TLV	OSHA PEL
Glycerin		TWA: 15 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

**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.  
**Thermal hazards** None under normal processing

**Environmental Exposure Controls**

**Environmental Exposure Controls** Keep out of drains, sewers, ditches and waterways

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Appearance</b>	Opaque	<b>Odor</b>	Slight
<b>Physical state</b>	Liquid	<b>Color</b>	Magenta
<b>pH</b>	8.2 - 9.5		
<b>Flash point</b>	> 100 °C		
<b>Melting point / freezing point</b>	Not applicable		
<b>Initial boiling point and boiling range</b>	Not determined		
<b>Softening point</b>	Not applicable		
<b>Evaporation rate</b>	No information available		
<b>Volatility</b>	88.93 %WT 89.75%VL		
<b>Flammability</b>	Not flammable. Will not readily ignite.		
<b>Flammability Limits in Air</b>	No information available		

<b>Vapor pressure @20 °C (kPa)</b>	No information available
<b>Relative vapor density</b>	No information available
<b>Specific gravity</b>	No information available
<b>Liquid Density</b>	1.09 g/cm <sup>3</sup>
<b>Water solubility</b>	Soluble in water
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	Not determined
<b>Viscosity</b>	Viscosity, dynamic 6.2 - 7.2 Pa.s @ 25 C°
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	Not applicable

**Other information**  
None

**SECTION 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**  
Strong oxidizing agents. Extremes of temperature and direct sunlight.

**Incompatible Materials**  
Alkali metals, Strong oxidizing agents, Peroxides

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

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute toxicity**  
**Product Information**  
**Irritation** May cause skin and eye irritation  
**Oral LD50** Not determined  
**Dermal LD50** Not determined

**Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Glycerin	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Magenta pigment	23 g/kg ( Rat )	3 g/kg ( Rabbit )	
2-Pyrrolidone	6500 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	80 ppm ( Rat ) 8 h
Triethylene glycol, monobutyl ether	5300 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	
1,2-Benzisothiazolin-3-one	1020 mg/kg ( Rat )		

**Chronic toxicity**

**Sensitization** Contains a chemical that can cause an allergic reaction in susceptible people  
**Neurological effects** No information available  
**Target organ effects** No information available

**CMR**

**Mutagenic effects** None known  
**Reproductive toxicity** No known effects under normal use conditions  
**Carcinogenicity** Contains no ingredient listed as a carcinogen

**Other toxic effects**

**Aspiration Hazard** No information available

**Information on other hazards**

**Endocrine disrupting properties** This product does not contain any known or suspected endocrine disruptors

SECTION 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**

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Glycerin		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
2-Pyrrolidone	250 mg/L EC50 72 h (Desmodesmus subspicatus) 84 mg/L EC50 96 h (Desmodesmus subspicatus)	LC50 4600 - 10000 mg/L Brachydanio rerio 96 h		LC50 = 3.4 mg/L 96 h
Triethylene glycol, monobutyl ether	500 mg/L EC50 72 h (Desmodesmus subspicatus)	LC50= 2400 mg/L Pimephales promelas 96 h LC50 2200 - 4600 mg/L Leuciscus idus 96 h		EC50 > 500 mg/L 48 h

**Persistence and degradability**

No product level data available

**Bioaccumulative potential**

Bioaccumulation is unlikely

**Mobility in soil**

Soluble in water

**Component Information**

Chemical name	Partition coefficient
Glycerin	-1.76
2-Pyrrolidone	-0.71
Triethylene glycol, monobutyl ether	0.51
1,2-Benzisothiazolin-3-one	1.3

**Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

**Endocrine disrupting properties**

This product does not contain any known or suspected endocrine disruptors

**Other adverse effects**

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal considerations**

- Waste Disposal Methods** 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

SECTION 14. TRANSPORT INFORMATION

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

SECTION 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**

- TSCA** Complies
- DSL/NDSL** Complies

**Legend**

- TSCA** United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** Canadian Domestic Substances List/Non-Domestic Substances List

**US 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

Chemical name	CAS No.	SARA 313 - Threshold Values %
Triethylene glycol, monobutyl ether	143-22-6	1.0

**CWA (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:

Chemical name	CAS No.	Weight-%	Hazardous air pollutants (HAPs) content	VOC Chemicals	Class 1	Class 2
Glycerin	56-81-5	20-30		Group II		
Triethylene glycol, monobutyl ether	143-22-6	<3	Present			

**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.

Chemical name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Water			X		
Glycerin	X	X	X		
2-Pyrrolidone	X		X		
Triethylene glycol, monobutyl ether		X	X	X	

SECTION 16. OTHER INFORMATION

**Issuing Date** 22-Feb-2021  
**Revision date** 13-Nov-2024  
**Revision Note** Modified Trade name, (M)SDS sections updated:, 2, 3, 16

**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
- H330 - Fatal if inhaled
- H360 - May damage fertility or the unborn child
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H412 - Harmful to aquatic life with long lasting effects

**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 of Safety Data Sheet**