

# Safety Data Sheet

SDS #: F-60047

## Aqueous Black Ink

Issuing Date 2021-02-22

Revision Date 2021-10-08

Version 5

**Active**

### 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.** 008R13307**Color** Black  
**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**

Not classified

**Label elements****Symbol(s)** None required**Signal Word** None required**Hazard Statements** None required**Precautionary Statements** None required**Other hazards**

No hazard expected under normal conditions of use

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	50-75	--	--
Glycerin	56-81-5	15-25	--	--
Carbon black	1333-86-4	5-10	--	--
2-Pyrrolidone	616-45-5	<3	Eye Irrit 2 Repro Tox 1B	H319 H360
Additive	68131-39-5	<1	Skin Irrit 2 Eye Dam 1 Aquatic Acute 1 Aquatic Chronic 3	H315 H318 H400 H412
1,2-Hexanediol	6920-22-5	<1	Eye Irrit. 2	H319
1,2-Benzisothiazolin-3-one	2634-33-5	<0.05	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 H400

"--" 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**

Rinse thoroughly with plenty of water, also under the eyelids, If eye irritation persists, consult a specialist

**Skin contact**

Wash off with warm water and soap

**Inhalation**

Move to fresh air, If symptoms persist, call a physician

**Ingestion**

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

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

**Acute toxicity**

**Eyes**

May cause irritation

**Skin**

May cause irritation

**Inhalation**

May cause irritation of respiratory tract

**Ingestion**

No known effect

**Main symptoms**

May cause eye and 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 (CO<sub>2</sub>)

**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**

No information available

**Advice for fire-fighters**

Wear self-contained breathing apparatus and protective suit

**Other information**

**Flash point** > 100 °C

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with eyes

**Environmental precautions**

Do not allow material to contaminate ground water system

**Methods and material for containment and cleaning up**

**Methods for containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal

**Methods for cleaning up** Soak up with inert absorbent material, Prevent product from entering drains

**Reference to other sections**

No information available

**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

**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** No information available

**Specific end uses**

Ink jet printing

**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>
Carbon black	TWA: 3 mg/m <sup>3</sup>	TWA: 3.5 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** None under normal use conditions

<b>Hand protection</b>	None under normal use conditions
<b>Skin and body protection</b>	None under normal use conditions
<b>Respiratory protection</b>	Use only with adequate ventilation.

**Environmental Exposure Controls**

<b>Environmental Exposure Controls</b>	Keep out of drains, sewers, ditches and waterways
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**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>Odor threshold</b>	Not applicable
<b>Color</b>	Black	<b>pH</b>	8.2 - 9.5

<b>Flash point</b>	> 100 °C
<b>Melting / Freezing Point</b>	Not applicable
<b>Boiling point/range</b>	Not determined
<b>Softening point</b>	Not applicable
<b>Evaporation rate</b>	No information available
<b>Flammability Limits in Air</b>	No information available

<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Specific gravity</b>	No information available
<b>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 6.3 - 7.3 Pa.s @ 25 C°
<b>Explosive properties</b>	Not explosive
<b>Oxidizing properties</b>	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**

<b>Hazardous reactions</b>	None under normal processing
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur

**Conditions to avoid**

None known based on information supplied.

**Incompatible Materials**

No information available

**Hazardous decomposition products**

None under normal use

11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity**

**Product Information**

No acute toxicity information is available for this product

**Irritation** May cause irritation

**Oral LD50** Not determined

**Dermal LD50** Not determined

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Glycerin	12600 mg/kg ( Rat )	10 g/kg ( Rabbit )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Carbon black	15400 mg/kg ( Rat )	3 g/kg ( Rabbit )	
2-Pyrrolidone	6500 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	80 ppm ( Rat ) 8 h
Additive	1600 mg/kg ( Rat ) 2 g/kg ( Rat )	2500 mg/kg ( Rabbit )	
1,2-Benzisothiazolin-3-one	1020 mg/kg ( Rat )		

**Chronic toxicity**

**Sensitization** Not a sensitizer

**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.

Chemical Name	IARC
Carbon black	2B

**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

**Information on other hazards**

**Endocrine disrupting properties** 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**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Glycerin		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h

Carbon black				EC50 > 5600 mg/L 24 h
2-Pyrrolidone	250 mg/L EC50 72 h (Desmodosmus subspicatus) 84 mg/L EC50 96 h (Desmodosmus subspicatus)	LC50 4600 - 10000 mg/L Brachydanio rerio 96 h		LC50 = 3.4 mg/L 96 h

**Persistence and degradability**  
No product level data available

**Bioaccumulative potential**  
Bioaccumulation is unlikely

**Mobility in soil**  
Soluble in water

**Component Information**

Chemical Name	log Pow
Glycerin	-1.76
2-Pyrrolidone	-0.71
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**  
No information available

**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:

Chemical Name	CAS No.	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerin	56-81-5	15-25		Group II		

**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:

Chemical Name	CAS No.	California Prop. 65
Carbon black	1333-86-4	Carcinogen

**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		
Carbon black	X	X	X	X	
2-Pyrrolidone	X		X		

**16. OTHER INFORMATION**

**Issuing Date** 2021-02-22  
**Revision Date** 2021-10-08  
**Revision Note** (M)SDS sections updated:, 3

**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
- H360 - May damage fertility or 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.

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