

Safety Data Sheet

SDS #: F-60049

Aqueous Cyan Ink

Issuing Date 2021-02-22

Revision Date 2023-10-09

Version 7

Active

SECTION 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. 008R13308

Color Cyan
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://safetydatasheets.business.xerox.com>

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2
-----------------------------------	------------

Label elements

GHS Label elements, including precautionary statements

Symbol(s)



Signal Word

Warning

Hazard Statements H319 - Causes serious eye irritation

Precautionary Statements P280 - Wear eye protection/ face protection
P305 - IF IN EYES:
P351 - Rinse cautiously with water for several minutes
P338 - Remove contact lenses, if present and easy to do. Continue rinsing
P313 - 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 (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	45-55	--	--
Glycerin	56-81-5	35-45	--	--
2-Pyrrolidone	616-45-5	<3	Eye Irrit 2 Repro Tox 1B	H319 H360
Cyan pigment	Proprietary	1-10	--	--
Triethylene glycol, monobutyl ether	143-22-6	1-10	Eye Dam. 1	H318
Additive	9014-85-1	<1	Aquatic Chronic 3 Skin Sens. 1B Eye Dam. 1	H412 H317 H318
Polyethylene glycol monobutyl ether	9004-77-7	<1	Eye Dam. 1	H318
1,2-Benzisothiazolin-3-one	2634-33-5	<0.05	Acute Tox. 4 (oral) 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

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

Eyes May cause irritation

Skin May cause irritation

Inhalation May cause irritation of respiratory tract

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

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

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 ³ TWA: 5 mg/m ³
Cyan pigment	TWA: 1 mg/m ³	

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

Appearance	Opaque	Odor	Slight
Physical state	Liquid	Odor threshold	No information available
Color	Cyan	pH	8.5 - 9.5

Flash point	> 100 °C
Melting / Freezing Point	Not applicable
Boiling point/range	Not determined
Softening point	Not applicable
Evaporation rate	No information available
Flammability	Not flammable. Will not readily ignite.
Flammability Limits in Air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	No information available
Density	1.11 g/cm ³
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	Not determined
Viscosity	Viscosity, dynamic 6.2 - 7.2 Pa.s @ 25 C°
Explosive properties	Not explosive
Oxidizing properties	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	LC50 Inhalation
Glycerin	12600 mg/kg (Rat)	10 g/kg (Rabbit)	570 mg/m ³ (Rat) 1 h
2-Pyrrolidone	6500 mg/kg (Rat)	2000 mg/kg (Rabbit)	80 ppm (Rat) 8 h
Cyan pigment	10000 mg/kg (Rat)		
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 Effects

Mutagenic effects No information available
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	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
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	log Pow
Glycerin	-1.76
2-Pyrrolidone	-0.71
Cyan pigment	6.6
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

Waste treatment methods

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

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:

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

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	35-45		Group II		
Triethylene glycol, monobutyl ether	143-22-6	1-10	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		
Cyan pigment		X	X		
Triethylene glycol, monobutyl ether		X	X	X	

SECTION 16. OTHER INFORMATION

Issuing Date 2021-02-22
Revision Date 2023-10-09
Revision Note (M)SDS sections updated:, 8

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
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