

Safety Data Sheet

SDS #: F-60006

Aqueous Cyan Ink

Issuing Date 2015-01-14

Revision Date 2020-04-07

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. 008R13198, 071E02030
 IMPIKA A0007312

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://safetysheets.business.xerox.com>

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified

Serious eye damage/eye irritation	Category 2
Reproductive toxicity	Category 1B

Label elements

Symbol(s) None required



Signal Word	Danger
Hazard Statements	H319 - Causes serious eye irritation H360 - May damage fertility or the unborn child if swallowed
Precautionary Statements	None required P280 - Wear protective gloves/protective clothing/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 P201 - Obtain special instructions before use P202 - Do not handle until all safety precautions have been read and understood P308 + P313 - IF exposed or concerned: Get medical advice/attention

Other hazards

Not a PBT according to REACH Annex XIII
This product does not contain any known or suspected endocrine disruptors

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	45-60	--	--
Glycerol	56-81-5	30-45	--	--
2-Pyrrolidone	616-45-5	3-5	Eye Irrit 2 Repro Tox 1B	H319 H360
Cyan pigment	Proprietary	1-10	--	--
Triethylene glycol, monobutyl ether	143-22-6	<1	Eye Dam. 1	H318
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	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	Do not ingest, If swallowed, do not induce vomiting - seek medical advice

Most important symptoms and effects, both acute and delayed

Acute toxicity	
Eyes	Avoid contact with eyes, May cause slight irritation
Skin	Avoid contact with skin Prolonged skin contact may defat the skin and produce dermatitis
Inhalation	No known effect
Ingestion	Do not ingest, May be harmful if swallowed

Main symptoms	Overexposure may cause: Eye irritation Skin irritation May damage fertility or the unborn child
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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 ₂), Use extinguishing agent suitable for type of surrounding fire
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
No information available

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

Flammability	Not flammable
Flash point	Not flammable

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, Avoid runoff to waterways and sewers

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
Methods for cleaning up	Soak up with inert absorbent material

Reference to other sections
For personal protection see section 8
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
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Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions
Keep container tightly closed in a dry and well-ventilated place, Keep out of the reach of children, Handle with care

Incompatible products Alkali metals, Strong oxidizing agents, Peroxides

Specific end uses
Ink jet printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL
Glycerol		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.

Environmental Exposure Controls

Environmental Exposure Controls Do not allow material to contaminate ground water system

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 - 10

Flash point Not flammable
Melting / Freezing Point Not determined
Boiling point/range >100 °C / >212 °F
Softening point Not applicable
Evaporation rate No information available
Flammability Not flammable
Flammability Limits in Air No information available

Vapor pressure No information available
Vapor density No information available
Specific gravity No information available
Water solubility Soluble in water
Partition coefficient No information available
Autoignition temperature No information available
Decomposition temperature Not determined
Viscosity No information available
Explosive properties Not applicable
Oxidizing properties Not applicable

Particle characteristics 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

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

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

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Glycerol	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 Not expected to be a sensitizer
Neurological Effects No information available
Target organ effects None known

CMR Effects

Mutagenic effects Not mutagenic
Reproductive toxicity May damage fertility or the unborn child if swallowed
Carcinogenicity Contains no ingredient listed as a carcinogen

Other toxic effects

Aspiration Hazard No information available

11.2 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
Glycerol		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

Component Information

Chemical Name	log Pow
Glycerol	-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
 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

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 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

Chemical Name	CAS No.	SARA 313 - Threshold Values %
Cyan pigment		1.0
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)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Cyan pigment		X		

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

Chemical Name	CAS No.	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerol	56-81-5	30-45		Group II		
Triethylene glycol, monobutyl ether	143-22-6	<1	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 does not contain any substances regulated by state right-to-know regulations.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Water			X		
Glycerol	X	X	X		

2-Pyrrolidone	X		X		
Cyan pigment		X	X		
Triethylene glycol, monobutyl ether		X	X	X	

16. OTHER INFORMATION

Issuing Date 2015-01-14
Revision Date 2020-04-07
Revision Note Drawing number changed

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 if swallowed
- 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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