

Safety Data Sheet

SDS #: F-60047

Aqueous Black Ink

Issuing Date 2021-02-22

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

SECTION 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

This product contains no hazardous ingredients that meet the threshold for classification of the mixture.

Label elements

GHS Label elements, including precautionary statements

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

SECTION 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	<0.036	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)	H330 H302 H315 H318 H317 H400 H410

"--" 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

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

Chronic toxicity

No known effects under normal use conditions

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

SECTION 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

No information available

Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit

Other information

Flammability Not flammable. Will not readily ignite.

Flash point > 100 °C

SECTION 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

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

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

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
Carbon black	TWA: 3 mg/m ³	TWA: 3.5 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 None under normal use conditions
Hand protection None under normal use conditions
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	Not applicable
Color	Black	pH	8.2 - 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 1.09 g/cm³
Water solubility Soluble in water
Partition coefficient No information available
Autoignition temperature No information available
Decomposition temperature Not determined
Viscosity Viscosity, dynamic 6.3 - 7.3 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

None known based on information supplied.

Incompatible Materials

No information available

Hazardous decomposition products

None under normal use

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product Information

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 ³ (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 known effects under normal use conditions
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 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
Carbon black				EC50 > 5600 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

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

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 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

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 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

Legend

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

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

Carbon Black is listed under California's Proposition 65 in the form of "airborne, unbound particles of respirable size". Ink products are not expected to cause an exposure to "airborne, unbound particles of respirable size" and are, therefore, exempt from Proposition 65 labeling obligations.

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		

SECTION 16. OTHER INFORMATION

Issuing Date 2021-02-22

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Revision Note (M)SDS sections updated:, 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.

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