

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 as amended

SDS #: F-60047

Aqueous Ink - Black

Issuing Date 2021-02-22

Revision Date 2021-10-14

Version 5

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

1.1 Product Identifier

Product Name Aqueous Ink for Xerox Rialto 900, Xerox Brenva HD Production Inkjet Press (Print Module)
Part no. 008R13307
Colour Black

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Ink jet printing

1.3 Details of the supplier of the safety data sheet

Supplier Xerox Ltd.
 Building 4
 Uxbridge Business Park
 Sanderson Road
 Uxbridge
 Middlesex. UB8 1DH
 UK

For further information, please contact

Contact person Manager, Environment, Health, Safety & Sustainability
Phone ++44 (0)1707 353434
E-mail address ehs-europe@xerox.com

For the most current document <https://safetysheets.business.xerox.com>

1.4 Emergency telephone number

Not applicable

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

2.2 Label elements

Symbol(s) None required
Signal Word None required
Hazard Statements None required
Precautionary Statements None required

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EC Label

EUH208 - Contains (1,2-benzisothiazol-3(2H)-one CAS 2634-33-5). May produce an allergic reaction

2.3 Other hazards

No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical Name	Weight %	CAS No.	EC-No	Classification (Reg. 1272/2008)	Hazard Statements	REACH Registration Number
Water	50-75	7732-18-5	231-791-2	--	--	--
Glycerin	15-25	56-81-5	200-289-5	--	--	--
Carbon black	5-10	1333-86-4	215-609-9	--	--	01-2119384822-32-0065
2-Pyrrolidone	<3	616-45-5	210-483-1	Eye Irrit 2 Repro Tox 1B	H319 H360	--
Additive	<1	68131-39-5	500-195-7	Skin Irrit 2 Eye Dam 1 Aquatic Acute 1 Aquatic Chronic 3	H315 H318 H400 H412	--
1,2-Hexanediol	<1	6920-22-5	230-029-6	Eye Irrit. 2	H319	--
1,2-Benzisothiazolin-3-one	<0.05	2634-33-5	220-120-9	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 H400	--

Full text of H- statements: see section 16

Note

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

Where no REACH registration number is listed, it is considered confidential to the Only Representative.

4. FIRST AID MEASURES

4.1 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 doctor
Ingestion	Clean mouth with water and afterwards drink plenty of water, Consult a doctor if necessary

4.2 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

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Chronic effects

Chronic toxicity	No known effects under normal use conditions
Main symptoms	May cause eye and skin irritation

4.3 Indication of immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically
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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

None in particular

Hazardous combustion products
No information available

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point	> 100 °C
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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes

6.2 Environmental precautions

Do not allow material to contaminate ground water system

6.3 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

6.4 Reference to other sections

No information available

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice, Ensure adequate ventilation, Prevent the formation of vapours, mist and aerosols

7.2 Conditions for safe storage, including any incompatibilities

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

7.3 Specific end uses

Ink jet printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Chemical Name	ACGIH TLV	European Union
Carbon black	TWA: 3 mg/m ³	

8.2 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.

Environmental Exposure Controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Opaque	Odour	Slight
Physical state	Liquid	Odour threshold	Not applicable
Colour	Black	pH	8.2 - 9.5
Flash point	> 100 °C		
Melting / Freezing Point	Not applicable		
Boiling point/boiling range	Not determined		
Softening point	Not applicable		

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Evaporation rate	No information available
Flammability	Not flammable
Flammability Limits in Air	No information available
Explosive Limits	No data available
Vapour pressure	No information available
Vapour density	No information available
Specific gravity	No information available
Density	1.09 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 6.3 - 7.3 Pa.s @ 25 C°
Explosive properties	Not explosive
Oxidising properties	Not applicable

9.2 Other information

None

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use

10.2 Chemical stability

Stable under normal conditions

10.3 Possibility of hazardous reactions

Hazardous reactions	None under normal processing
Hazardous polymerisation	Hazardous polymerisation does not occur

10.4 Conditions to avoid

None known based on information supplied

10.5 Incompatible Materials

No information available

10.6 Hazardous decomposition products

None under normal use

11. TOXICOLOGICAL INFORMATION

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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 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

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

Sensitisation

Not a sensitizer

Target organ effects

No information available

Aspiration Hazard

No information available

Information on other hazards

Endocrine disrupting properties No information available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

On available data, the mixture / preparation is not harmful to aquatic life

12.2 Persistence and degradability

No product level data available

12.3 Bioaccumulative potential

Bioaccumulation is unlikely

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12.4 Mobility in soil

Soluble in water

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

No information available

12.7 Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**13.1 Disposal considerations**

No special precautions are needed in handling this material

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

EWC Waste Disposal No.

08 03 13

14. TRANSPORT INFORMATION**14.1 UN/ID No**

Not regulated

14.2 Proper shipping name

Not regulated

14.3 Transport hazard class(es)

Not classified

14.4 Packing Group

Not applicable

14.5 Environmental hazards

Presents little or no hazard to the environment

14.6 Special precautions for users

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No special precautions are needed in handling this material

14.7 Transport in bulk according to MARPOL 73/78 and the IBC Code

Not applicable

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

According to present data no classification and labelling is required according to Regulation (EC) No 1272/2008

15.2 Chemical Safety Assessment

Not applicable

16. OTHER INFORMATION

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 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

Additional advice

EU Country Specific Exposure Limits

Chemical Name	The United Kingdom	Ireland	France	Germany	The Netherlands
Glycerin	STEL 30 mg/m ³ TWA 10 mg/m ³		TWA 10 mg/m ³	AGW 200 mg/m ³	
Carbon black	STEL 7 mg/m ³ TWA 3.5 mg/m ³	TWA 3 mg/m ³ STEL 15 mg/m ³	TWA 3.5 mg/m ³		

Chemical Name	Belgium	Switzerland	Austria	Hungary	Czech Republic
Glycerin	TWA 10 mg/m ³	SS-C** TWA 50 mg/m ³ STEL 100 mg/m ³			TWA 10 mg/m ³ Ceiling 15 mg/m ³
Carbon black	TWA 3 mg/m ³				TWA 2.0 mg/m ³

Chemical Name	Spain	Portugal	Italy	Greece	Romania
Glycerin	TWA 10 mg/m ³	TWA 10 mg/m ³		TWA 10 mg/m ³	
Carbon black	TWA 3.5 mg/m ³	TWA 3.5 mg/m ³		TWA 3.5 mg/m ³	

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Chemical Name	Spain	Portugal	Italy	Greece	Romania
		C(A4)		STEL 7 mg/m ³	

Chemical Name	Poland	Denmark	Sweden	Finland	Norway
Glycerin	TWA 10 mg/m ³			TWA 20 mg/m ³	
Carbon black	TWA 4 mg/m ³	TWA 3.5 mg/m ³	TLV 3 mg/m ³	TWA 3.5 mg/m ³ STEL 7 mg/m ³	TWA 3.5 mg/m ³ STEL 7 mg/m ³

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008 as amended.

Disclaimer

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.