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

SDS # : F-60004

Aqueous Ink - Black

Issuing Date 2015-01-14  Revision Date 2020-11-18  Version 12

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. 008R13197, 071E02060
IMPIKA A0007311
Color 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
For further information, please contact
Contact person
Phone
E-mail address ehs-europe@xerox.com
For the most current document https://safetysheets.business.xerox.com

1.4 Emergency telephone number

EU emergency number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008
Serious eye damage/eye irritation Category 2
Reproductive toxicity Category 1B

2.2 Label elements

Symbol(s)

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

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

8. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Weight %</th>
<th>CAS No.</th>
<th>EC-No.</th>
<th>Classification (Reg. 1272/2008)</th>
<th>Hazard Statements</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>50-60</td>
<td>7732-18-5</td>
<td>231-791-2</td>
<td>--</td>
<td>--</td>
<td>H319</td>
</tr>
<tr>
<td>Glycerol</td>
<td>20-40</td>
<td>56-81-5</td>
<td>200-289-5</td>
<td>--</td>
<td>--</td>
<td>H360</td>
</tr>
<tr>
<td>Carbon black</td>
<td>5-10</td>
<td>1333-86-4</td>
<td>215-609-9</td>
<td>--</td>
<td>01-2119384822-32-0065</td>
<td></td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>5-10</td>
<td>616-45-5</td>
<td>210-483-1</td>
<td>Eye Irrit 2</td>
<td>H319</td>
<td>H360</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>&lt;0.05</td>
<td>2634-33-5</td>
<td>220-120-9</td>
<td>Acute Tox. 4</td>
<td>H302</td>
<td>H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2</td>
<td>H315</td>
<td>H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1</td>
<td>H318</td>
<td>H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Skin Sens. 1</td>
<td>H317</td>
<td>H317</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1</td>
<td>H400</td>
<td>H400</td>
</tr>
</tbody>
</table>

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
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

4.2 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

Chronic effects

Chronic toxicity
No known effects under normal use conditions
Main symptoms
Overexposure may cause:
Eye irritation
Skin irritation
May damage fertility or the unborn child

4.3 Indication of immediate medical attention and special treatment needed

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Water spray, Foam, Carbon dioxide (CO₂), 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

5.2 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

5.3 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

6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin and the eyes, Use personal protective equipment

6.2 Environmental precautions

Should not be released into the environment, Avoid runoff to waterways and sewers

6.3 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

6.4 Reference to other sections
For personal protection see section 8
See Section 13 for additional information

7. HANDLING AND STORAGE

7.1 Precautions for 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

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place, Keep out of the reach of children, Handle with care

7.3 Specific end uses
Ink jet printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>European Union</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>TWA: 3 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

8.2 Exposure controls

Engineering measures
Ensure adequate ventilation, especially in confined areas

Individual protection measures, such as personal protective equipment (PPE)

<table>
<thead>
<tr>
<th>Type</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/face protection</td>
<td>If splashes are likely to occur, wear: Goggles</td>
</tr>
<tr>
<td>Hand protection</td>
<td>Protective gloves.</td>
</tr>
<tr>
<td>Skin and body protection</td>
<td>None under normal use conditions</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Use only with adequate ventilation.</td>
</tr>
</tbody>
</table>

Environmental Exposure Controls

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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Opaque</td>
</tr>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Slight</td>
</tr>
<tr>
<td>Color</td>
<td>Black</td>
</tr>
</tbody>
</table>
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
Explosive Limits: No data 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

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 polymerization: Hazardous polymerization does not occur

10.4 Conditions to avoid
Strong oxidizing agents, Extremes of temperature and direct sunlight

10.5 Incompatible Materials
Alkali metals, Strong oxidizing agents, Peroxides

10.6 Hazardous decomposition products

Undefined, but may include toxic oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity

Product Information

Irritation

May cause skin and eye irritation

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>12600 mg/kg (Rat)</td>
<td>10 g/kg (Rabbit)</td>
<td>570 mg/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Carbon black</td>
<td>15400 mg/kg (Rat)</td>
<td>3 g/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td>2-Pyrrolidone</td>
<td>6500 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>80 ppm (Rat) 8 h</td>
</tr>
<tr>
<td>1,2-Benzisothiazolin-3-one</td>
<td>1020 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic toxicity

Carcinogenicity

See “Other Information” in this section.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>IARC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>2B</td>
</tr>
</tbody>
</table>

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

Sensitization

Not expected to be a sensitizer

Mutagenic effects

Not mutagenic

Reproductive toxicity

May damage fertility or the unborn child if swallowed

Target organ effects

None known

Aspiration Hazard

No information available

11.2 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

12.4 Mobility in soil
Soluble

12.5 Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

12.6 Endocrine disrupting properties
No information available

12.7 Other adverse effects
No information available

13. DISPOSAL CONSIDERATIONS

13.1 Disposal considerations
Avoid runoff to waterways and sewers.
This material and its container must be disposed of as hazardous waste

EWC Waste Disposal No 08 03 12*

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

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

The product is classified and labelled in accordance with Regulation (EC) No. 1272/2008

15.2 Chemical Safety Assessment

Not applicable

16. OTHER INFORMATION

Issuing Date 2015-01-14  Revision Date 2020-11-18  Revision Note (M)SDS sections updated:, 13

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

Additional advice
EU Country Specific Exposure Limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>The United Kingdom</th>
<th>Ireland</th>
<th>France</th>
<th>Germany</th>
<th>The Netherlands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>STEL 30 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>AGW 200 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>STEL 7 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td>TWA 3 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Belgium</th>
<th>Switzerland</th>
<th>Austria</th>
<th>Hungary</th>
<th>Czech Republic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>SS-C**</td>
<td></td>
<td>TWA 10 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TWA 50 mg/m³</td>
<td></td>
<td>Ceiling 15 mg/m³</td>
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</table>
SDS #: F-60004  
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<thead>
<tr>
<th>Chemical Name</th>
<th>Belgium</th>
<th>Switzerland</th>
<th>Austria</th>
<th>Hungary</th>
<th>Czech Republic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>TWA 3 mg/m³</td>
<td>STEL 100 mg/m³</td>
<td>TWA 2.0 mg/m³</td>
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<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Spain</th>
<th>Portugal</th>
<th>Italy</th>
<th>Greece</th>
<th>Romania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carbon black</td>
<td>TWA 3.5 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Poland</th>
<th>Denmark</th>
<th>Sweden</th>
<th>Finland</th>
<th>Norway</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycerol</td>
<td>TWA 10 mg/m³</td>
<td>TWA 20 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
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<tr>
<td>Carbon black</td>
<td>TWA 4 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td>TLV 3 mg/m³</td>
<td>TWA 3.5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

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.