

# Safety Data Sheet

SDS # : F-60039

## Aqueous Ink -Cyan

Issuing Date 2018-10-02

Revision Date 2019-05-13

Version 1

**Active**

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

**Product Identifier**

**Product Name**  
 HF Aqueous Ink for Xerox® Baltoro™ HF InkJet Press

**Part no.** 008R13257

**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

**Label elements**

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

**Other hazards**

Contains a chemical that can cause an allergic reaction in susceptible people

3. COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

| Chemical Name              | CAS No.     | Weight % | Classification (Reg. 1272/2008)  | Hazard Statements                    |
|----------------------------|-------------|----------|--|--------------------------------------|
| Water                      | 7732-18-5   | 50-60    | --   | --                                   |
| Propylene glycol           | 57-55-6     | 15-35    | --   | --                                   |
| 1,2-Hexanediol             | 6920-22-5   | <8       | Eye Irrit. 2   | H319                                 |
| Cyan pigment               | Proprietary | <5       | --   | --                                   |
| Triethanolamine            | 102-71-6    | <1       | --   | --                                   |
| 1,2-Benzisothiazolin-3-one | 2634-33-5   | <0.05    | Acute Tox. 4<br>Skin Irrit. 2<br>Eye Dam. 1<br>Skin Sens. 1<br>Aquatic Acute 1 | H302<br>H315<br>H318<br>H317<br>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** If swallowed, do not induce vomiting - seek medical advice

**Most important symptoms and effects, both acute and delayed**

**Acute toxicity**

**Eyes** May cause slight irritation

**Skin** No known effect

**Inhalation** No known effect

**Ingestion** No known effect

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

**Main symptoms** **Overexposure may cause:**  
Eye irritation  
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

5. FIRE-FIGHTING MEASURES

**Extinguishing media**

**Suitable extinguishing media** Water spray, Foam, Carbon dioxide (CO<sub>2</sub>)

**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**  
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**

**Flash point** > 100 °C / > 212 °F

**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, Do not allow material to contaminate ground water system

**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, Prevent entry into waterways, sewers, basements or confined areas

**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

**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

**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 |
|-----------------|--------------------------|----------|
| Cyan pigment    | TWA: 1 mg/m <sup>3</sup> |          |
| Triethanolamine | TWA: 5 mg/m <sup>3</sup> |          |

**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.

9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

|                                   |                          |                       |                          |
|-----------------------------------|--------------------------|-----------------------|--------------------------|
| <b>Appearance</b>                 | Opaque                   | <b>Odor</b>           | Slight                   |
| <b>Physical state</b>             | Liquid                   | <b>Odor threshold</b> | No information available |
| <b>Color</b>                      | Cyan                     | <b>pH</b>             | 7-9.5                    |
| <b>Flash point</b>                | > 100 °C                 | /                     | > 212 °F                 |
| <b>Boiling point/range</b>        | Not determined           |                       |                          |
| <b>Softening point</b>            | Not applicable           |                       |                          |
| <b>Evaporation rate</b>           | No information available |                       |                          |
| <b>Flammability Limits in Air</b> | No information available |                       |                          |
| <b>Vapor pressure</b>             | No information available |                       |                          |
| <b>Vapor density</b>              | No information available |                       |                          |
| <b>Specific gravity</b>           | No information available |                       |                          |
| <b>Water solubility</b>           | Dispersable              |                       |                          |
| <b>Partition coefficient</b>      | No information available |                       |                          |
| <b>Autoignition temperature</b>   | No information available |                       |                          |
| <b>Decomposition temperature</b>  | Not determined           |                       |                          |
| <b>Viscosity</b>                  | 5-7 mPa.s @ 25 °C        |                       |                          |
| <b>Explosive properties</b>       | Not explosive            |                       |                          |
| <b>Oxidizing properties</b>       | 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**

|                                 |   |
|---------------------------------|---|
| <b>Hazardous reactions</b>      | None under normal processing            |
| <b>Hazardous polymerization</b> | 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**

**Irritation** May cause eye irritation

**Component Information**

| Chemical Name              | Oral LD50           | Dermal LD50                             | LC50 Inhalation |
|----------------------------|---------------------|---|-----------------|
| Propylene glycol           | 20 g/kg ( Rat )     | 20800 mg/kg ( Rabbit )                  |                 |
| Cyan pigment               | 10000 mg/kg ( Rat ) |   |                 |
| Triethanolamine            | 4190 mg/kg ( Rat )  | 20 mL/kg ( Rabbit )<br>16 mL/kg ( Rat ) |                 |
| 1,2-Benzisothiazolin-3-one | 1020 mg/kg ( Rat )  |   |                 |

**Chronic toxicity**

**Sensitization** Contains a chemical that can cause an allergic reaction in susceptible people  
No hazard expected under normal conditions of use

**Neurological Effects** No information available

**Target organ effects** No information available

**CMR Effects**

**Mutagenic effects** No information available

**Reproductive toxicity** No information available

**Carcinogenicity** Contains no ingredient listed as a carcinogen

**Other toxic effects**

**Aspiration Hazard** 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 |
|------------------|---|---|----------------------------|---|
| Propylene glycol | 19000 mg/L EC50 96 h (Pseudokirchneriella subcapitata)                                    | LC50= 51600 mg/L Oncorhynchus mykiss 96 h<br>LC50= 51400 mg/L Pimephales promelas 96 h<br>LC50 41 - 47 mL/L Oncorhynchus mykiss 96 h<br>LC50= 710 mg/L Pimephales promelas 96 h |                            | EC50 > 1000 mg/L 48 h<br>EC50 > 10000 mg/L 24 h     |
| Triethanolamine  | 216 mg/L EC50 72 h (Desmodesmus subspicatus) 169 mg/L EC50 96 h (Desmodesmus subspicatus) | LC50 10600 - 13000 mg/L Pimephales promelas 96 h<br>LC50> 1000 mg/L Pimephales promelas 96 h<br>LC50 450 - 1000 mg/L Lepomis macrochirus 96 h                                   |                            | EC50 = 1386 mg/L 24 h                               |

**Persistence and degradability**  
No product level data available

**Bioaccumulative potential**  
No product level data available

**Mobility in soil**  
Soluble in water

**Component Information**

| Chemical Name | log Pow |
|---------------|---------|
|---------------|---------|

|                            |       |
|----------------------------|-------|
| Cyan pigment               | 6.6   |
| Triethanolamine            | -2.53 |
| 1,2-Benzisothiazolin-3-one | 1.3   |

**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 regulated as a Hazardous Material (Dangerous Good) under 49 CFR, IATA/ICAO, IMO/IMDG, or TDG

**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

**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 |
|------------------|----------|----------|-----------|---------------|-------------------------|-------------------------|
| Propylene glycol | 57-55-6  | 15-35    |           | Group I       |                         |                         |
| Triethanolamine  | 102-71-6 | <1       |           | Group I       |                         |                         |

**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            |          |              |
| Propylene glycol |               | X          | X            |          |              |
| Triethanolamine  | X             | X          | X            |          |              |

16. OTHER INFORMATION

**Issuing Date** 2018-10-02  
**Revision Date** 2019-05-13  
**Revision Note** Initial Release

**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
- 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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