

SAFETY DATA SHEET

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

SDS #: F-60028

HF Aqueous Ink - Black

Issuing Date 2017-03-13

Revision Date 2020-04-27

Version 4.02

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

1.1 Product Identifier

Product Name HF Aqueous Ink for Xerox® Trivor® 2400 HF Inkjet Press
Part no. 008R13243
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 askxerox@xerox.com

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

1.4 Emergency telephone number

+44 1865 407333

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 |
|-----------------------------------|------------|

2.2 Label elements

Symbol(s)

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Signal Word

Warning

Hazard Statements

Precautionary Statements

H319 - Causes serious eye irritation

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

2.3 Other hazards

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

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 | -- | -- | -- |
| Aliphatic alcohol | 10-20 | Proprietary | Listed | -- | -- | -- |
| 1,2-Hexanediol | <15 | 6920-22-5 | 230-029-6 | Eye Irrit. 2 | H319 | -- |
| Carbon black | <8 | 1333-86-4 | 215-609-9 | -- | -- | 01-2119384822-32-0065 |
| Triethanolamine | <1 | 102-71-6 | 203-049-8 | -- | -- | -- |
| 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.

Components marked as "Not Listed" are exempt from registration.

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

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Ingestion

If swallowed, do not induce vomiting - seek medical advice

4.2 Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes

Irritating to eyes

Skin

May cause irritation

Inhalation

No known effect

Ingestion

No known effect

Chronic effects

Chronic toxicity

Repeated contact may cause allergic reactions in very susceptible persons

Main symptoms

Overexposure may cause:

Eye irritation

Skin irritation

4.3 Indication of immediate medical attention and special treatment needed

Notes to physician

Treat symptomatically

5. FIREFIGHTING MEASURES

5.1 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

5.2 Special hazards arising from the substance or mixture

None in particular

Hazardous combustion products Thermal decomposition can lead to release of irritating gases and vapours

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point > 100 °C / > 212 °F

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, Do not allow material to contaminate ground water system

6.3 Methods and material for containment and cleaning up

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Methods for containment Prevent further leakage or spillage if safe to do so, Dyke 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

6.4 Reference to other sections

See section 12 for additional ecological information
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

Exposure Limits For country specific exposure limits see Section 16

| Chemical Name | ACGIH TLV | European Union |
|-----------------|--------------------------|----------------|
| Carbon black | TWA: 3 mg/m ³ | |
| Triethanolamine | TWA: 5 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 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

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance Opaque **Odour** Slight

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| | | | |
|------------------------------------|--------------------------|---------------|----------|
| Physical state | Liquid | Colour | Black |
| pH | 7-9.5 | | |
| Flash point | > 100 °C | / | > 212 °F |
| Melting / Freezing Point | Not applicable | | |
| Boiling point/boiling range | Not determined | | |
| Softening point | Not applicable | | |
| 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 | | |
| Water solubility | Dispersible | | |
| Partition coefficient | No information available | | |
| Autoignition temperature | No information available | | |
| Decomposition temperature | Not determined | | |
| Viscosity | 5-7 mPa.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

Strong oxidising agents, Extremes of temperature and direct sunlight

10.5 Incompatible Materials

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Alkali metals, Strong oxidising 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

No acute toxicity information is available for this product.

Irritation

Irritating to eyes and skin

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 Inhalation |
|----------------------------|---------------------|---|-----------------|
| Aliphatic alcohol | 20 g/kg (Rat) | 20800 mg/kg (Rabbit) | |
| Carbon black | 15400 mg/kg (Rat) | 3 g/kg (Rabbit) | |
| Triethanolamine | 4190 mg/kg (Rat) | 20 mL/kg (Rabbit) 16 mL/kg (Rat) | |
| 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

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

Target organ effects

No information available

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

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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

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

16. OTHER INFORMATION

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 Revision Note (M)SDS sections updated, 13, Updated Emergency Telephone number

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

Additional advice

EU Country Specific Exposure Limits

| Chemical Name | The United Kingdom | Ireland | France | Germany | The Netherlands |
|-------------------|--|--|---------------------------|-------------------------|-----------------|
| Aliphatic alcohol | STEL 450 ppm STEL 1422 mg/m ³ STEL 30 mg/m ³ TWA 150 ppm TWA 474 mg/m ³ TWA 10 mg/m ³ | TWA 10 mg/m ³ TWA 150 ppm TWA 470 mg/m ³ STEL 1410 mg/m ³ STEL 30 mg/m ³ STEL 450 ppm | | | |
| 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 | | |
| Triethanolamine | | TWA 5 mg/m ³ STEL 15 mg/m ³ | | AGW 1 mg/m ³ | |

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| Chemical Name | Belgium | Switzerland | Austria | Hungary | Czech Republic |
|-----------------|-------------------------|---|--|---------|---|
| Carbon black | TWA 3 mg/m ³ | | | | TWA 2.0 mg/m ³ |
| Triethanolamine | TWA 5 mg/m ³ | SS-C** TWA 5 mg/m ³ STEL 5 mg/m ³ | S** STEL 1.6 ppm STEL 10 mg/m ³ TWA 0.8 ppm TWA 5 mg/m ³ | | TWA 5 mg/m ³ Ceiling 10 mg/m ³ S* |

| Chemical Name | Spain | Portugal | Italy | Greece | Romania |
|-----------------|---------------------------|------------------------------------|-------|---|---------|
| Carbon black | TWA 3.5 mg/m ³ | TWA 3.5 mg/m ³ C(A4) | | TWA 3.5 mg/m ³ STEL 7 mg/m ³ | |
| Triethanolamine | TWA 5 mg/m ³ | TWA 5 mg/m ³ | | | |

| Chemical Name | Poland | Denmark | Sweden | Finland | Norway |
|-------------------|---------------------------|--|---|---|---|
| Aliphatic alcohol | TWA 100 mg/m ³ | | | | TWA 25 ppm TWA 79 mg/m ³ STEL 37.5 ppm STEL 118.5 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 |
| Triethanolamine | | TWA 0.5 ppm TWA 3.1 mg/m ³ | TLV 5 mg/m ³ TLV 0.8 ppm Indicative STEL 10 mg/m ³ Indicative STEL 1.6 ppm A* | TWA 5 mg/m ³ | TWA 5 mg/m ³ STEL 10 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.