

SAFETY DATA SHEET

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

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

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

1.1 Product Identifier

Product Name **HD Aqueous Ink** for Impika Compact/Evolution/Reference, Trivor 2400
Part no. 008R13205
 Impika A0008250
 Kits: 497N04508, 497N05548

Colour Yellow

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.
 Xerox Environment, Health, Safety & Sustainability
 Monroe House
 Works Road
 Letchworth
 Herts. SG61LN
 UK

For further information, please contact

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

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01


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 | 50-60 | 7732-18-5 | 231-791-2 | -- | -- | -- |
| Glycerol | 20-35 | 56-81-5 | 200-289-5 | -- | -- | -- |
| Yellow pigment | 1-10 | Proprietary | Listed | -- | -- | -- |
| Triethylene glycol, monobutyl ether | <5 | 143-22-6 | 205-592-6 | Eye Dam. 1 | H318 | -- |
| 2-Pyrrolidone | 1-10 | 616-45-5 | 210-483-1 | 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.

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

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

**Inhalation
Ingestion**

 Move to fresh air, Get medical attention immediately if symptoms occur
 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

May cause irritation of respiratory tract

Ingestion

Do not ingest

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

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

None in particular

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Other information

Flash point > 93.33 °C / > 199.99 °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

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

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

Do not dispose of waste into sewer

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, 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, 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 |
|------------------------|-----------------------------------------------------|

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. |

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|---------------|-------------|
| Appearance | Opaque | Odour | Slight |
| Physical state | Liquid | Colour | Yellow |
| pH | No information available | | |
| Flash point | > 93.33 °C | / | > 199.99 °F |

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

| | |
|------------------------------------|--------------------------|
| Boiling point/boiling range | No information available |
| Softening point | Not applicable |
| Evaporation rate | No information available |
| 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 | 1.1 g/cm ³ |
| 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 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

None known based on information supplied

10.6 Hazardous decomposition products

Undefined, but may include toxic oxides of carbon and nitrogen

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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 |
|-------------------------------------|---------------------|-----------------------|-----------------------------------|
| Glycerol | 12600 mg/kg (Rat) | 10 g/kg (Rabbit) | 570 mg/m ³ (Rat) 1 h |
| Triethylene glycol, monobutyl ether | 5300 mg/kg (Rat) | 2000 mg/kg (Rabbit) | |
| 2-Pyrrolidone | 6500 mg/kg (Rat) | 2000 mg/kg (Rabbit) | 80 ppm (Rat) 8 h |
| 1,2-Benzisothiazolin-3-one | 1020 mg/kg (Rat) | | |

Chronic toxicity

Carcinogenicity

Not classifiable as a human carcinogen

Other toxic effects

Sensitisation

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

Target organ effects

No information available

Aspiration Hazard

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 in water

12.5 Results of PBT and vPvB assessment

Not a PBT according to REACH Annex XIII

12.6 Other adverse effects

No information available

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

13. DISPOSAL CONSIDERATIONS**13.1 Disposal considerations****Waste Disposal Method**

Avoid runoff to waterways and sewers
Dispose of in accordance with local regulations

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

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

SDS # : F-60016

HD Aqueous Ink - Yellow

Issuing Date 2015-02-23

Revision Date 2019-01-31

Version 8.01

Not applicable

16. OTHER INFORMATION

Issuing Date 2015-02-23
Revision Date 2019-01-31
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 |
|----------------|-------------------------------------------------------|-------------------------------------------------------|--------------------------|---------------------------|-----------------|
| Glycerol | STEL 30 mg/m ³ TWA 10 mg/m ³ | TWA 10 mg/m ³ STEL 30 mg/m ³ | TWA 10 mg/m ³ | AGW 200 mg/m ³ | |
| Yellow pigment | | | | K1 | |

| Chemical Name | Belgium | Switzerland | Austria | Hungary | Czech Republic |
|----------------|--------------------------|------------------------------------------------------------------|---------|---------|----------------------------------------------------------|
| Glycerol | 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 |
| Yellow pigment | | | C | | |

| Chemical Name | Spain | Portugal | Italy | Greece | Romania |
|---------------|--------------------------|--------------------------|-------|--------------------------|---------|
| Glycerol | TWA 10 mg/m ³ | TWA 10 mg/m ³ | | TWA 10 mg/m ³ | |

| Chemical Name | Poland | Denmark | Sweden | Finland | Norway |
|---------------|--------------------------|---------|--------|--------------------------|--------|
| Glycerol | TWA 10 mg/m ³ | | | TWA 20 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.