

# Safety Data Sheet

SDS # : F-60020

## Yellow Ink

Issuing Date 2015-02-20

Revision Date 2018-11-20

Version 3

**Active**

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

**Product Identifier**

**Product Name**  
**Aqueous Ink** for **Impika Compact/Evolution/Reference**

**Part no.** 106R02667  
 IMPIKA A0004985

**Color** Yellow  
**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**

Serious eye damage/eye irritation	Category 2
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**Label elements**

**Symbol(s)**



**Signal Word** Warning

**Hazard Statements** H319 - Causes serious eye irritation

**Precautionary Statements** 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

**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	53	--	--
Glycerol	56-81-5	20-30	--	--
Yellow pigment	Proprietary	1-10	--	--
Triethylene glycol, monobutyl ether	143-22-6	3-5	Eye Dam. 1	H318
2-Pyrrolidone	616-45-5	1-5	Eye Irrit. 2	H319
1,2-Benzisothiazolin-3-one	2634-33-5	<0.05	Acute Tox. 4 Skin Irrit. 2 Eye Dam. 1 Skin Sens. 1 Aquatic Acute 1	H302 H315 H318 H317 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** Irritating to eyes  
**Skin** May cause irritation  
**Inhalation** May cause irritation of respiratory tract  
**Ingestion** Do not ingest

**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** > 93 °C / > 199 °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** 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

**Reference to other sections**

Do not dispose of waste into sewer

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

**Incompatible products** None known based on information supplied

**Specific end uses**

Ink jet printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure Limits**

Chemical Name	ACGIH TLV	OSHA PEL
Glycerol		TWA: 15 mg/m <sup>3</sup> 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>	Yellow	<b>pH</b>	8

**Flash point**                                      > 93 °C                      /                      > 199 °F

**Boiling point/range**                              Not determined  
**Softening point**                                  Not applicable

**Evaporation rate**                                  No information available  
**Flammability Limits in Air**                      No information available

**Vapor pressure**                                  No information available  
**Vapor density**                                  No information available  
**Specific gravity**                                  No information available  
**Density**    1.1 g/cm<sup>3</sup>  
**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  
**Oxidizing properties**                              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**

**Hazardous reactions**                              None under normal processing  
**Hazardous polymerization**                      Hazardous polymerization does not occur

**Conditions to avoid**

None known based on information supplied

**Incompatible Materials**

None known based on information supplied

**Hazardous decomposition products**

Undefined, but may include toxic oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

**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 <sup>3</sup> ( 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**

**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

**Teratogenicity** 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
Glycerol		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
Triethylene glycol, monobutyl ether	500 mg/L EC50 72 h (Desmodesmus subspicatus)	LC50= 2400 mg/L Pimephales promelas 96 h LC50 2200 - 4600 mg/L Leuciscus idus 96 h		EC50 > 500 mg/L 48 h
2-Pyrrolidone	250 mg/L EC50 72 h (Desmodesmus subspicatus) 84 mg/L EC50 96 h (Desmodesmus subspicatus)	LC50 4600 - 10000 mg/L Brachydanio rerio 96 h		LC50 = 3.4 mg/L 96 h

**Persistence and degradability**

No product level data available

**Bioaccumulative potential**

Bioaccumulation is unlikely

**Mobility in soil**

Soluble in water

**Component Information**

Chemical Name	log Pow
Glycerol	-1.76
Triethylene glycol, monobutyl ether	0.51
2-Pyrrolidone	-0.71
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

14. TRANSPORT INFORMATION

This material is not subject to regulation as a hazardous material for shipping

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS No.	SARA 313 - Threshold Values %
Triethylene glycol, monobutyl ether	143-22-6	1.0

**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
Glycerol	56-81-5	20-30		Group II		
Triethylene glycol, monobutyl ether	143-22-6	3-5	Present			

**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		
Glycerol	X	X	X		
Triethylene glycol, monobutyl ether		X	X	X	
2-Pyrrolidone	X		X		

16. OTHER INFORMATION

**Issuing Date** 2015-02-20  
**Revision Date** 2018-11-20  
**Revision Note** (M)SDS sections updated:, 13, Address for some geographies updated

**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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