

Safety Data Sheet

SDS # : F-60012

Aqueous Black Ink

Issuing Date 2015-01-14

Revision Date 2019-02-04

Version 1.01

Active

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

Product Identifier

Product Name
Aqueous Ink for **Impika Compact/Evolution/Reference, Trivor 2400**

Part no. 106R02743
 IMPIKA A0006595

Color Black
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

Manufactured by	Nippon Kayaku Co., LTD 11-2, Fujimi 1-Chome, Chiyoda-Ku Tokyo 102-8172 Japan	Supplier	Xerox Corporation Webster, NY 14580
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For further information, please contact

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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

No hazard expected under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	50-75	--	--
Triethylene glycol	112-27-6	10-30	--	--
Glycerin	56-81-5	10-30	--	--
Solvent	Proprietary	0-20	Eye Irrit. 2	H319
Black dye	Proprietary	1-3	--	--
Triethanolamine	102-71-6	<0.5	--	--

"--" 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 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 No known effect

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 (CO₂)

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

No information available

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 Not flammable

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

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 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
Glycerin		TWA: 15 mg/m ³ TWA: 5 mg/m ³
Triethanolamine	TWA: 5 mg/m ³	

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

Appearance	Opaque	Odor	Slight
Physical state	Liquid	Odor threshold	No information available
Color	Black	pH	8 - 10

Flash point	Not flammable		
Boiling point/range	>100 °C	/	>212 °F
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		
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		

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

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

Oral LD50 No information available
Dermal LD50 No information available

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Triethylene glycol	17 g/kg (Rat)	20 mL/kg (Rabbit)	
Glycerin	12600 mg/kg (Rat)	10 g/kg (Rabbit)	570 mg/m ³ (Rat) 1 h
Solvent	6500 mg/kg (Rat)	2000 mg/kg (Rabbit)	80 ppm (Rat) 8 h
Triethanolamine	4190 mg/kg (Rat)	20 mL/kg (Rabbit) 16 mL/kg (Rat)	

Chronic toxicity

Sensitization Not expected to be a sensitizer
Neurological Effects No information available
Target organ effects No information available

CMR Effects

Mutagenic effects Not mutagenic
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
Triethylene glycol		LC50 56200 - 63700 mg/L Pimephales promelas 96 h LC50= 10000 mg/L Lepomis macrochirus 96 h LC50= 61000 mg/L Lepomis macrochirus 96 h		EC50 = 42426 mg/L 48 h
Glycerin		LC50 51 - 57 mL/L Oncorhynchus mykiss 96 h		EC50 > 500 mg/L 24 h
Solvent	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
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 LC50> 1000 mg/L Pimephales promelas 96 h 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

Bioaccumulation is unlikely

Mobility in soil

Soluble

Component Information

Chemical Name	log Pow
Triethylene glycol	-1.98
Glycerin	-1.76
Solvent	-0.71
Triethanolamine	-2.53

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 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 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	Class 2 Ozone

					Depletors	Depletors
Triethylene glycol	112-27-6	10-30		Group I		
Glycerin	56-81-5	10-30		Group II		
Triethanolamine	102-71-6	<0.5		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		
Triethylene glycol			X		
Glycerin	X	X	X		
Solvent	X		X		
Triethanolamine	X	X	X		

16. OTHER INFORMATION

Issuing Date 2015-01-14
Revision Date 2019-02-04
Revision Note Address for some geographies updated
Full text of H-Statements referred to under sections 2 and 3
 H319 - Causes serious eye irritation

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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