Safety Data Sheet

SDS # : F-60028

High Fusion Ink - Black

Issuing Date 2017-03-13 **Revision Date** 2023-10-11 **Version** 6

Active

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

Product Identifier

Product Name

HF Aqueous Ink for Xerox® Trivor® 2400 HF Inkjet Press

Part no. 008R13243

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

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

SECTION 2. HAZARDS IDENTIFICATION

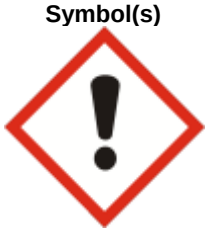
Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2

Label elements

GHS Label elements, including precautionary statements

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 - IF IN EYES:
P351 - Rinse cautiously with water for several minutes
P338 - Remove contact lenses, if present and easy to do. Continue rinsing
P313 - Get medical advice/attention

Other hazards

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Water	7732-18-5	50-75	--	--
Aliphatic alcohol	Proprietary	10-20	--	--
1,2-Hexanediol	6920-22-5	5-15	Eye Irrit. 2	H319
Carbon black	1333-86-4	1-10	--	--
Triethanolamine	102-71-6	<1	--	--
1,2-Benzisothiazolin-3-one	2634-33-5	<0.036	Acute Tox. 4 (oral) 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

SECTION 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 Clean mouth with water and afterwards drink plenty of water, Consult a physician if necessary, Do NOT induce vomiting

Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes May cause irritation

Skin May cause irritation

Inhalation May cause irritation of respiratory tract

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

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	Avoid contact with skin, eyes and clothing
Notes to physician	Treat symptomatically

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Water spray, Foam, Carbon dioxide (CO_2)
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

Flammability	Not flammable. Will not readily ignite.
Flash point	> 100 °C / > 212 °F

SECTION 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

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice, Ensure adequate ventilation, Prevent the formation of vapors, mists and aerosols, Avoid contact with skin, eyes and clothing, Do not ingest

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

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL
Carbon black	TWA: 3 mg/m³	TWA: 3.5 mg/m³
Triethanolamine	TWA: 5 mg/m³	

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.
Thermal hazards None under normal processing

Environmental Exposure Controls

Environmental Exposure Controls Keep out of drains, sewers, ditches and waterways

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Opaque
Physical state Liquid
Color Black
Odor Slight
Odor threshold No information available
pH 7-9.5

Flash point > 100 °C / > 212 °F

Melting / Freezing Point Not applicable
Boiling point/range Not determined
Softening point Not applicable

Evaporation rate No information available
Flammability Not flammable. Will not readily ignite.
Flammability Limits in Air No information available

Vapor pressure No information available
Vapor density No information available
Specific gravity No information available
Water solubility Dispersable
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
Oxidizing properties Not applicable

Other information

None

SECTION 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

SECTION 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Product Information

Irritation May cause skin and eye irritation
Oral LD50 Not determined
Dermal LD50 Not determined

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

Sensitization Contains a chemical that can cause an allergic reaction in susceptible people
Neurological Effects No information available
Target organ effects No information available

CMR Effects

Mutagenic effects No information available
Reproductive toxicity No known effects under normal use conditions
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

Aspiration Hazard No information available

Information on other hazards

Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors

SECTION 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
Aliphatic alcohol	19000 mg/L EC50 96 h (Pseudokirchneriella subcapitata)	LC50= 51600 mg/L Oncorhynchus mykiss 96 h LC50 41 - 47 mL/L Oncorhynchus mykiss 96 h LC50= 51400 mg/L Pimephales promelas 96 h LC50= 710 mg/L Pimephales promelas 96 h		EC50 > 1000 mg/L 48 h EC50 > 10000 mg/L 24 h
Carbon black				EC50 > 5600 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 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 in water

Component Information

Chemical Name	log Pow
Triethanolamine	-2.53
1,2-Benzisothiazolin-3-one	1.3

Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

Endocrine disrupting properties

This product does not contain any known or suspected endocrine disruptors

Other adverse effects

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods 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

SECTION 14. TRANSPORT INFORMATION

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

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Regulatory Status
This material is 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
Aliphatic alcohol		10-20		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
Carbon Black is listed under California's Proposition 65 in the form of "airborne, unbound particles of respirable size". Ink products are not expected to cause an exposure to "airborne, unbound particles of respirable size" and are, therefore, exempt from Proposition 65 labeling obligations.

Chemical Name	CAS No.	California Prop. 65
Carbon black	1333-86-4	Carcinogen

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		
Aliphatic alcohol		X	X		
Carbon black	X	X	X	X	
Triethanolamine	X	X	X		

SECTION 16. OTHER INFORMATION

Issuing Date 2017-03-13
Revision Date 2023-10-11
Revision Note (M)SDS sections updated:, 5, 8

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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