

Safety Data Sheet

SDS # : A-0199BULK

Dry Ink - Black

Issuing Date 2015-03-30

Revision Date 2019-10-16

Version 1

Active

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

Product Identifier

Product Name

Dry Ink for 4635 MX, DocuPrint 100 MX, DocuPrint 115 MX, DocuPrint 135 MX, DocuPrint 155 MX, DocuPrint 180 MX, DocuPrint 96 MX

Part no. 503S00018, 502S75046, 096N00270

Color Black
Pure substance/mixture Mixture

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Xerographic printing

Details of the supplier of the safety data sheet

Distributor 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://safetydatasheets.business.xerox.com>

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Not classified

Label elements

Symbol(s) None required

Signal Word Warning

Hazard Statements May cause combustible dust concentrations in air

Precautionary Statements Prevent dust cloud
Sweep up or vacuum with electrically protected vacuum cleaner and collect in suitable container for disposal.
Use non-sparking tools and equipment
Keep away from sources of ignition - No smoking

Other hazards

Not a PBT according to REACH Annex XIII
May form explosible dust-air mixture if dispersed

Special Note

Contains a chemical that can cause an allergic reaction in susceptible people
Product is not a sensitizer by Local Lymph Node Assay (LLNA)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Styrene/butadiene copolymer	9003-55-8	55-65	--	--
Iron oxide	1317-61-9	25-35	--	--
Polyethylene wax	9002-88-4	1-10	--	--
Carbon Black	1333-86-4	1-10	--	--
Strontium titanate	12060-59-2	1-3	--	--
Magenta pigment	75627-12-2	<2	Skin Sens 1 Aquatic Chronic 4	H317 H413

"--" indicates no classification or hazard statements apply.

4. FIRST AID MEASURES

Description of first-aid measures

General advice

For external use only. When symptoms persist or in all cases of doubt seek medical advice. Show this material safety data sheet to the doctor in attendance.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes

Skin contact

Wash skin with soap and water

Inhalation

Move to fresh air

Ingestion

Rinse mouth with water and afterwards drink plenty of water or milk

Most important symptoms and effects, both acute and delayed

Acute toxicity

Eyes

No known effect

Skin

No known effect

Inhalation

No known effect

Ingestion

No known effect

Main symptoms

Overexposure may cause:

mild respiratory irritation similar to nuisance dust.

Aggravated Medical Conditions

None under normal use conditions

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

Use water spray or fog; do not use straight streams, Foam

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

Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard

Hazardous combustion products

Hazardous decomposition products due to incomplete combustion, Carbon oxides, Nitrogen oxides (NOx)

Advice for fire-fighters

In the event of fire and/or explosion do not breathe fumes. Wear fire/flame resistant/retardant clothing. Use self-contained pressure-demand breathing apparatus if needed to prevent exposure to smoke or airborne toxins.
Wear self-contained breathing apparatus and protective suit

Other information

Flammability	Not flammable. Will not readily ignite.
Flash point	Not applicable

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid breathing dust

Environmental precautions

No special environmental precautions required

Methods and material for containment and cleaning up

Methods for containment	Prevent dust cloud
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Reference to other sections

The environmental impact of this product has not been fully investigated
However, this preparation is not expected to present significant adverse environmental effects.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Handling practices and processes should be consistent with the safe handling of combustible dust, Prevent dust cloud, In case of insufficient ventilation, wear suitable respiratory equipment, Keep away from open flames, hot surfaces and sources of ignition, Take precautionary measures against static discharges
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Hygiene measures	Handle in accordance with good industrial hygiene and safety practice
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Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a dry and well-ventilated place, Store at room temperature

Incompatible products	None
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Specific end uses

Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Chemical Name	ACGIH TLV	OSHA PEL
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Carbon Black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³
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Exposure controls

Engineering measures

Engineering controls should be used to maintain airborne dust levels below established exposure limits

Individual protection measures, such as personal protective equipment (PPE)

Eye/Face protection	No special protective equipment required
Hand protection	No special protective equipment required
Skin and body protection	No special protective equipment required
Respiratory protection	No special protective equipment required.
Thermal hazards	None under normal processing

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Powder	Odor	Faint
Physical state	Solid	Odor threshold	Not applicable
Color	Black	pH	Not applicable

Flash point Not applicable

Boiling point/range Not applicable

Softening point 49 - 60 °C / 120 - 140 °F

Evaporation rate Not applicable

Flammability Not flammable. Will not readily ignite.

Flammability Limits in Air Not applicable

Vapor pressure Not applicable

Vapor density Not applicable

Specific gravity 1-2

Water solubility Negligible

Partition coefficient Not applicable

Autoignition temperature Not applicable

Decomposition temperature Not determined

Viscosity Not applicable

Explosive properties (Method: ASTM E 1226 Standard Test Method for Explosibility of Dust Clouds)

Oxidizing properties Not applicable

Other information

None

Maximum rate of explosion pressure rise (KSt) 185 - 278 m²bars/sec

Maximum explosion pressure (Pmax) 7.9 - 9.0 bar

Minimum ignition energy <3 millijoules

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

Heat, flames and sparks, Take precautionary measures against static discharges, Prevent dust cloud

Incompatible Materials

None

Hazardous decomposition products

None under normal use

11. TOXICOLOGICAL INFORMATION

The toxicity data noted below is based on the test results of similar reprographic materials.

Information on toxicological effects

Acute toxicity

Product Information

Irritation No skin irritation, No eye irritation
Oral LD50 > 5 g/kg (rat)
Dermal LD50 > 5 g/kg (rabbit)
LC50 Inhalation > 5 mg/L (rat, 4 hr)

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Iron oxide	10000 mg/kg (Rat)		
Polyethylene wax	2000 mg/kg (Rat) 8 g/kg (Rat)		
Carbon Black	15400 mg/kg (Rat)	3 g/kg (Rabbit)	

Chronic toxicity

Sensitization Contains a chemical that can cause an allergic reaction in susceptible people
Product is not a sensitizer by Local Lymph Node Assay (LLNA)
Neurological Effects No information available
Target organ effects None known

CMR Effects

Mutagenic effects Not mutagenic in AMES Test
Reproductive toxicity This product does not contain any known or suspected reproductive hazards
Developmental toxicity None known
Teratogenicity None known
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". However, Xerox has concluded that the presence of carbon black in this mixture does not present a health hazard. The IARC classification is based on studies evaluating pure, "free" carbon black. In contrast, toner is a formulation composed of specially prepared polymer and a small amount of carbon black (or other pigment). In the process of making toner, the small amount of carbon black becomes encapsulated within a matrix. Xerox has performed extensive testing of toner, including a chronic bioassay (test for potential carcinogenicity). Exposure to toner did not produce evidence of cancer in exposed animals. The results were submitted to regulatory agencies and published extensively.

Other toxic effects

Aspiration Hazard Not applicable
Other adverse effects None known

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
Carbon Black				EC50 > 5600 mg/L 24 h

Persistence and degradability

No information available

Bioaccumulative potential

Bioaccumulation is unlikely

Mobility in soil

Insoluble in water

Other adverse effects

Presents little or no hazard to the environment

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Can be landfilled or incinerated, when in compliance with local regulations
If incineration is to be carried out, care must be exercised to prevent dust clouds forming.

Contaminated packaging No special precautions are needed in handling this material

Other information Although toner is not an aquatic toxin, microplastics may be a physical hazard to aquatic life and should not be allowed to enter drains, sewers, or waterways.

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/NDL Complies
EINECS/ELINCS 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 is not regulated as a pollutant 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 is not regulated as a hazardous air pollutant (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

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 regulated under California Proposition 65 only if in the form of "airborne, unbound particles of respirable size". Toner products do not contain carbon black in the form of "airborne, unbound particles of respirable size". Therefore, the requirements of Proposition 65 do not apply to this product.

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

U.S. State Right-to-Know Regulations

Although this product contains substances included in some U.S. State Right-to-Know regulations, the particles are bound in a unique matrix and, therefore, the product does not pose any specific hazard.

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Carbon Black	X	X	X	X	

16. OTHER INFORMATION

Issuing Date 2015-03-30
Revision Date 2019-10-16
Revision Note (M)SDS sections updated:, 3
Full text of H-Statements referred to under sections 2 and 3
H317 - May cause an allergic skin reaction
H413 - May cause long lasting harmful effects 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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