Safety Data Sheet

SDS # : A-10095

Green Dry Ink

Issuing Date 2016-11-01 **Revision Date** 2022-07-08 **Version** 3

Active

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

Product Identifier

Product Name

Dry Ink for Xerox iGen5 Press

Part no. 006R03158, 006R03161

Color Green
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
Manufactured by 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

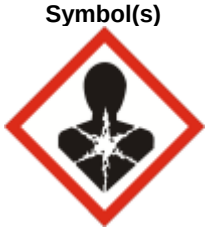
2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Carcinogenicity	Category 2

Label elements

GHS Label elements, including precautionary statements
Symbol(s)



Signal Word Warning

Hazard Statements H351 - Suspected of causing cancer if inhaled

Precautionary Statements
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P501 -Dispose of contents/container in accordance with local/regional/national/international regulation.

Other hazards

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Polyester resin	39382-25-7	80-90	--	--
Green pigment	Proprietary	10-20	--	--
Amorphous silica	7631-86-9	<10	--	--
Titanium dioxide	13463-67-7	<2	Carc (Inhal) 2	H351

"--" 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 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

Chronic toxicity No known effects under normal use conditions

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

Use personal protective equipment, Avoid breathing dust

Environmental precautions

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

Methods and material for containment and cleaning up

Methods for containment	Prevent dust cloud
Methods for cleaning up	Use an electrically protected vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner, making it difficult to remove

Reference to other sections

See section 12 for additional ecological information
See Section 13 for additional information

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice, Avoid dust formation in confined areas, Prevent dust cloud
Hygiene measures	None under normal use conditions

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

Specific end uses

Xerographic printing

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Limits

Xerox Exposure Limit 2.5 mg/m³ (total dust)

Xerox Exposure Limit 0.4 mg/m³ (respirable dust)

Chemical Name	ACGIH TLV	OSHA PEL
Green pigment	TWA: 1 mg/m³	
Titanium dioxide	TWA: 10 mg/m³	TWA: 15 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 None under normal use conditions

Hand protection None under normal use conditions

Skin and body protection None under normal use conditions

Respiratory protection No protective equipment is needed under normal use conditions.

Thermal hazards None under normal processing

Environmental Exposure Controls

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	Green	**pH**	Not applicable

Flash point Not applicable

Melting / Freezing 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

Water solubility Negligible

Partition coefficient Not applicable

Autoignition temperature Not applicable

Decomposition temperature Not determined

Viscosity Not applicable

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

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

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

Incompatible Materials

None

Hazardous decomposition products

None under normal use

11. TOXICOLOGICAL INFORMATION

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)

Component Information

Chemical Name	Oral LD50	Dermal LD50	LC50 Inhalation
Amorphous silica	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>2.2 mg/L (Rat) 1 h
Titanium dioxide	10000 mg/kg (Rat)		

Chronic toxicity

Sensitization Not expected to be a sensitizer
Neurological Effects No information available
Target organ effects None known

CMR Effects

Mutagenic effects No information available
Reproductive toxicity No information available
Carcinogenicity See "Other Information" in this section.

Chemical Name	IARC
Titanium dioxide	2B

Other information

The IARC (International Agency for Research on Cancer) has listed titanium dioxide as “possibly carcinogenic to humans”. However, Xerox has concluded that the presence of titanium dioxide in this mixture does not present a health hazard. The IARC classification is based on studies in rats using high concentrations of pure, unbound TiO_2 particles of respirable size. Epidemiological studies do not suggest a carcinogenic effect in humans. In addition, the titanium dioxide in this mixture is encapsulated in a matrix or bound to the surface of the toner.

Other toxic effects

Aspiration Hazard Not applicable

Other adverse effects None known

Information on other hazards

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

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
Amorphous silica	440 mg/L EC50 72 h (Pseudokirchneriella subcapitata)	LC50= 5000 mg/L Brachydanio rerio 96 h		EC50 = 7600 mg/L 48 h

Persistence and degradability
Not readily biodegradable

Bioaccumulative potential
Bioaccumulation is unlikely

Mobility in soil
Insoluble in water

Results of PBT and vPvB assessment
This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)

Endocrine disrupting properties
Presents little or no hazard to the environment

Other adverse effects
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.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Methods Dispose of contents/container in accordance with local regulation

Waste from Residues/Unused Products Dispose of in accordance with local regulations

Contaminated packaging Dispose of in accordance with local regulations

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 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

Chemical Name	CAS No.	SARA 313 - Threshold Values %
Green pigment		1.0

Clean Water Act
This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Green pigment		X		

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (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 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
Titanium dioxide	13463-67-7	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
Green pigment		X	X		
Amorphous silica	X		X		
Titanium dioxide	X	X	X		

16. OTHER INFORMATION

Issuing Date	2016-11-01
Revision Date	2022-07-08
Revision Note	(M)SDS sections updated:, 15

Full text of H-Statements referred to under sections 2 and 3
H351 - Suspected of causing cancer if inhaled

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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