

# Safety Data Sheet

SDS #: B-20027

**Developer - White**

Issuing Date 2016-11-01

Revision Date 2022-07-08

Version 2

**Active**

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

### Product Identifier

#### Product Name

Developer for Xerox iGen5 Press

Part no. 505S00052, 505S00053

Color White  
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
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### 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
Steel powder	7439-89-6	>90	--	--
Titanium dioxide	13463-67-7	<5	Carc (Inhal) 2	H351
Polyester resin	117581-13-2	<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** 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

**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/flammable 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**

<b>Flammability</b>	Not flammable. Will not readily ignite.
<b>Flash point</b>	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**

<b>Methods for containment</b>	Prevent dust cloud
<b>Methods for cleaning up</b>	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**

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

<b>Incompatible products</b>	None
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#### **Specific end uses**

Xerographic printing

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control parameters**

<b>Exposure Limits</b>	
<b>Xerox Exposure Limit</b>	2.5 mg/m <sup>3</sup> (total dust)

<b>Xerox Exposure Limit</b>	0.4 mg/m <sup>3</sup> (respirable dust)	
<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>
Titanium dioxide	TWA: 10 mg/m <sup>3</sup>	TWA: 15 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** 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

<b>Appearance</b>	Powder	<b>Odor</b>	Faint
<b>Physical state</b>	Solid	<b>Odor threshold</b>	Not applicable
<b>Color</b>	White	<b>pH</b>	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** 4-5

**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
Steel powder	30 g/kg ( Rat )		
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<sub>2</sub> 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
Steel powder		LC50= 13.6 mg/L Morone saxatilis 96 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

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	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 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.

<b>Chemical Name</b>	<b>CAS No.</b>	<b>California Prop. 65</b>
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.

<b>Chemical Name</b>	<b>Massachusetts</b>	<b>New Jersey</b>	<b>Pennsylvania</b>	<b>Illinois</b>	<b>Rhode Island</b>
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

#### **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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