

# Safety Data Sheet

SDS #: A-0600BULK

## Toner Cartridge

Issuing Date 2015-03-30

Revision Date 2018-11-13

Version 2

**Active**

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

**Product Identifier**

**Product Name**  
**Toner Cartridge** for Document Centre 220, Document Centre 230, Document Centre 332, Document Centre 340, Document Centre 420, Document Centre 425, Document Centre 430, Document Centre 432, Document Centre 440DC, Document Centre 440ST, DocuPrint N24, DocuPrint N32, DocuPrint N3225, DocuPrint N40, DocuPrint N4025

**Part no.** 502S64744, 502S66127, 502S64918, 502S00002, 504K10650

**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**

**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**

**Industrial use / Bulk containers**

**OSHA Hazard Classification** Combustible dust

**Label elements**

**Signal Word** Warning

**Hazard Statements** Dust can form an explosive mixture with 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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Mixtures**

Chemical Name	CAS No.	Weight %	Classification (Reg. 1272/2008)	Hazard Statements
Iron oxide	1317-61-9	45-50	--	--
Styrene/acrylate copolymer	25767-47-9	40-50	--	--
Polypropylene wax	9003-07-0	1-10	--	--

"--" 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  
**Methods for cleaning up** Use a vacuum cleaner to remove excess, then wash with COLD water. Hot water fuses the toner making it difficult to remove

**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

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice

**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**

**ACGIH TLV TWA** 10 mg/m<sup>3</sup> (inhalable particles)  
**ACGIH TLV TWA** 3 mg/m<sup>3</sup> (respirable dust)  
**OSHA PEL TWA** 15 mg/m<sup>3</sup> (total dust)  
**OSHA PEL TWA** 5 mg/m<sup>3</sup> (respirable dust)  
**Xerox Exposure Limit** 2.5 mg/m<sup>3</sup> (total dust)

**Xerox Exposure Limit** 0.4 mg/m<sup>3</sup> (respirable dust)

**Component Information**

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

<b>Appearance</b>	Powder	<b>Odor</b>	Faint
<b>Physical state</b>	Solid	<b>Odor threshold</b>	Not applicable
<b>Color</b>	Black	<b>pH</b>	Not applicable

<b>Flash point</b>	Not applicable		
<b>Boiling point/range</b>	Not applicable		
<b>Softening point</b>	49 - 60 °C	/	120 - 140 °F
<b>Evaporation rate</b>	Not applicable		
<b>Flammability</b>	Not flammable. Will not readily ignite.		
<b>Flammability Limits in Air</b>	Not applicable		

<b>Vapor pressure</b>	Not applicable		
<b>Vapor density</b>	Not applicable		
<b>Specific gravity</b>	~ 2		
<b>Water solubility</b>	Negligible		
<b>Partition coefficient</b>	Not applicable		
<b>Autoignition temperature</b>	Not applicable		
<b>Decomposition temperature</b>	Not determined		
<b>Viscosity</b>	Not applicable		
<b>Explosive properties</b>	(Method: ASTM E 1226 Standard Test Method for Explosibility of Dust Clouds)		
<b>Oxidizing properties</b>	Not applicable		

Other information

None	
<b>Maximum rate of explosion pressure rise (KSt)</b>	185 - 278 m*bars/sec
<b>Maximum explosion pressure (Pmax)</b>	7.9 - 9.0 bar
<b>Minimum ignition energy</b>	<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)

**Component Information**

Chemical Name	LC50 Inhalation	Dermal LD50	Oral LD50
Iron oxide			10000 mg/kg ( Rat )

**Chronic toxicity**

**Sensitization** No sensitization responses were observed  
**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** Contains no ingredient listed as a carcinogen

**Other toxic effects**

**Aspiration Hazard** Not applicable  
**Other adverse effects** None known

**12. ECOLOGICAL INFORMATION**

**Toxicity**

On available data, the mixture / preparation is not harmful to aquatic life

**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**

<b>TSCA</b>	Complies
<b>DSL/NDSL</b>	Complies
<b>EINECS/ELINCS</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 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**

This product does not contain any Proposition 65 chemicals

**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.

**16. OTHER INFORMATION**

<b>Issuing Date</b>	2015-03-30
<b>Revision Date</b>	2018-11-13
<b>Revision Note</b>	(M)SDS sections updated:, 3

**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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