

1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND COMPANY UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name: Black Toner Cartridge for Xerox 006R01513
Part number: 24458735

1.2 IDENTIFIED USES AND USES ADVISED AGAINST

For use in: Laser Printers

1.3 SUPPLIER DETAILS

Supplier: Clover Imaging Group
4200 Columbus Street
Ottawa, IL 61350
United States
Phone number: 815-431-8100
Fax: 815-461-8583
Contact Hours: 08:00AM-05:00PM CST

1.4 EMERGENCY TELEPHONE NUMBERS

Supplier: N/A

* This document provides safety-related information about ink/toner, in various forms, for use in copiers/printers etc.

2. HAZARDS IDENTIFICATION

2.1 INFORMATION and CLASSIFICATION

Overview: No data available for GHS Classification. In compliance with EC Regulation No. 1272/2008 and its amendments: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Hazard Classes: Aquatic Chronic 3. Mixture Hazard Phrases: H412. In compliance with directive 67/548/EEC, 1999/45/EC and their amendments: Not classified. Mixture Risk Phrases: R52/53

2.2 LABEL ELEMENTS

Applicable Pictograms:



Danger Indications: High concentrations of dust may form explosive mixture with air. Dust irritates the respiratory system and may cause coughing and difficulties in breathing.

Risk Phrases: N/A

Safety Phrases: N/A

2.3 OTHER HAZARDS

PBT or vPvB: No information available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS number	Weight %	OSHA PEL	ACGIH TLV	Other
Polyester Resin	Trade Secret	80-95	15 mg/m3, TWA, Total dust. 5 mg/m3, TWA, Respirable	10 mg/m3, TWA, Inhalable. 3 mg/m3, TWA, Respirable	
Paraffin wax	8002-74-2	1-4	2 mg/m3, TWA	2 mg/m3, TWA	
Carbon Black	1333-86-4	4-7	3.5 mg/m3, TWA	3 mg/m3, TWA	
Silicon dioxide (amorphous)	7631-86-9	1-3	3 mg/m3, TWA	10 mg/m3, TWA, Inhalable. mg/m3, TWA, Respirable.	
Titanium dioxide	13463-67-7	<1	15 mg/m3, TWA	10 mg/m3, TWA	
Charge control agent	42405-4003	0.25 -2.5			Flam. Sol 1, H228 Accute Tox.4, H302. Aquatic Acute1, H400. Aquatic Chronic1, H410.

The Full Text for all R-Phrases are Displayed in Section 16

COMPOSITION COMMENTS

The Data Shown is in accordance with the latest Directives.

This section provides composition information for the specified substance/mixture.

4. FIRST-AID MEASURES

4.1 FIRST AID MEASURES

4.1.1 FIRST AID INSTRUCTIONS BY RELEVANT ROUTES OF EXPOSURE

Inhalation:	Call a doctor if you feel unwell. Get medical advice and attention if you feel unwell. Move affected person to open air. Keep him or her at rest to allow easier breathing.
Eye contact:	When the ocular stimulation lasts, seek medical treatment and advice. Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
Skin contact:	When skin stimulation occurs, seek medical treatment and advice. Wash the skin thoroughly with soap and water.
Ingestion:	Get medical advice and attention if you feel unwell. Rinse mouth.

4.1.2 ADDITIONAL FIRST AID INFORMATION

Additional first aid information:	N/A
Immediate Medical Attention Required:	Move to fresh air.

4.2 SYMPTOMS AND EFFECTS

Acute Symptoms from Exposure:	No additional information available.
Delayed Symptoms from Exposure:	No additional information available.

4.3 IMMEDIATE SPECIAL TREATMENT OR EQUIPMENT REQUIRED

N/A

5. FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Recommended Extinguishing Media: Dry chemicals, alcohol-resistant foam extinguishing agents, carbo dioxide, sand and water spraying.
Extinguishing Media Not to be Used: Full water jet.

5.2 SPECIAL HAZARD

Unusual Fire/Explosion Hazards: Toner material, like most organic material in powder form, is capable of creating a dust explosion.
Extinguishing Media Not to be Used: N/A

5.3 ADVICE FOR FIRE FIGHTERS

Avoid inhalation of smoke. Wear protective clothing and wear self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1 PRECAUTIONS FOR NON-EMERGENCY PERSONNEL

Minimize the release of particulates. Do not use a vacuum cleaner unless motor is rated dust tight.

6.1.2 ADDITIONAL FIRST AID INFORMATION

N/A

6.1.3 PERSONAL PROTECTION

Wear personal protective equipment as described in Section 8.

6.2 ENVIRONMENTAL PRECAUTIONS

Regulatory Information: Keep product out of sewers and watercourses.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP

Spill or Leak Cleanup Procedures: Collect the material into a disposal container by sucking or sweeping up. Absorb spills with inert materials (such as dry sand or soil) and collect them into chemical-waste disposal container. Remove from water surface by skimming or absorbing with an adequate absorbent.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Recommendations for Handling: No special precautions when used as intended. Keep containers closed. If toner, avoid creating dust. Keep away from ignition sources.

Advice on General Hygiene: Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

7.2 CONDITIONS FOR SAFE STORAGE

Avoid high temperatures, >100°F/32°C

7.3 SPECIFIC END USES

Printing devices

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release in order to maintain airborne concentrations of the product below OSHA PELs (See Section 3). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.2 EXPOSURE CONTROLS

Respiratory protection:

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134 and 1910.137) and, if necessary, wear a NIOSH approved respirator. Select respirator based on its suitability to provide adequate worker protection for given work conditions, levels of airborne contamination, and sufficient levels of oxygen.

Eye/Face Protection:

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Hand/Skin Protection:

For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. WARNING! Air purifying respirators do not protect worker in oxygen deficient atmospheres.

Additional Protection:

N/A

Protective Clothing and Equipment:

Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear splash-proof chemical goggles and face shield when working with liquid, unless full face piece respiratory protection is worn.

Safety Stations:

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:

Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment. Never take home contaminated clothing.

Comments:

Never eat, drink or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the restroom, or applying cosmetics.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 **DETAIL INFORMATION**

Physical state:	APPEARANCE: Fine, black powder
Color:	Black
Odor:	Almost odorless
Odor threshold:	N/A
Boiling point:	Not applicable
Melting point:	>90 - 140°C (softening point)
Flash point:	Not applicable
Explosion limits:	N/A
Relative density:	N/A
Auto-ignition temperature:	N/A

9.2 **OTHER INFORMATION**

Specific Gravity: 1.1 - 1.5. Solubility: Negligible solubility in water.

10. CHEMICAL STABILITY AND REACTIVITY

10.1 **Reactivity:**

Reactivity Hazards: None

Data on Mixture Substances: None

10.2 **Chemical Stability:** The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.

10.3 **Hazardous Polymerization:** Stable under conditions of normal use.

10.4 **Conditions to Avoid:** Keep away from heat, flame, sparks and other ignition sources.

10.5 **Incompatible Materials:** Strong oxidizing materials

10.6 **Hazardous Decomposition:** Will not occur.

11. INFORMATION ON TOXICOLOGICAL EFFECT

Mixtures:	N/A
Acute Toxicity:	No information available for mixture. Substance Charge control agent: Oral: LD50(Rat): 1,800 mg/kg; Acute Tox.4. Dermal: LD50(Rat): >2,000 mg/kg. Inhalation: LC50: Not available.
Skin Corrosion/Irritation:	No information available.
Serious Eye Damage:	No information available.
Inhalation:	No information available.
Sensitization:	No information available.
Mutagenicity:	Tests on toners containing similar materials indicate Ames Test Negative.
Carcinogenicity:	Carcinogens: None present. Substance carbon black: Substance is listed as "group 2B" by IARC but not classified by the Community or US NTP, OSHA, or ACGIH. US NIOSH in 1978 issued a document to recommend exposure limits for carbon black dust with more than 0.1% content of PAH. The carbon black used in this mixture contains far less concentration of PAH and is processed to avoid generation of respirable or inhalable dusts. Thus carcinogenicity of this substance is concluded to be "Not classified."
Reproductive Toxicity:	No information available.
STOT - Single Exposure:	No information available.
STOT - Multiple Exposure:	No information available.
Ingestion:	No information available.
Hazard Class Information:	No information available.
Mixture on Market Data:	N/A
Symptoms:	No information available.
Delayed/Immediate Effects:	No information available.
Test Data on Mixture:	N/A
Not Meeting Classification:	N/A
Routes of Exposure:	No information available.
Interactive Effects:	N/A
Absence of Specific Data:	N/A
Mixture vs Substance Data:	N/A

12. ECOLOGICAL INFORMATION

12.1 Eco toxicity:	Based on available data, not harmful to aquatic life. Substance Charge control agent: Fish(<i>Oryzias latipes</i>): LC50(96hr): 5.5mg/L. Crustaceans(<i>Daphnia magna</i>): EC50(48hr): 0.73 mg/L (NOEL: 0.5 mg/L). Algae (<i>Pseudokirchneriella subcapitata</i>): EbL50(72hr): 0.64mg/L, (NOEC: 0.20mg/L).
12.2 Degradability:	Not readily biodegradable. Substance Charge control agent: Not readily biodegradable (15% after 28days).
12.3 Bioaccumulation Potential:	Bioaccumulation is insignificant. Substance Charge control agent: Log Pow=2.32, Not suspected to be bioaccumulative.
12.4 Mobility in Soil:	Negligible solubility in water.
12.5 PBT & vPvB Assessment:	No information available.
12.6 Other Adverse Effects:	Presents little or no hazard to the environment. Product does not contain any 1-nitropyrene, benzo[a]pyrene, azo dyes or pigments that can release carcinogenic amines.

13. DISPOSAL CONSIDERATIONS

Disposal Information:

Dispose of product in accordance with local authority regulations.
Empty container retains product residue.

Physical/Chemical Properties that affect Treatment:

Symbol: This product is not classified as dangerous

Risk Phrases: This product is not classified according to the federal, state and local environmental regulations.

Waste Treatment Information:

If toner, do not shred toner cartridge, unless dust-explosion prevention measures are taken. Finely dispersed particles may form explosive mixtures in air. Dispose of in compliance with federal, state, and local regulations.

Personal Protection Required:

N/A

14. TRANSPORT INFORMATION

- | | |
|-----------------------------|--|
| 14.1 ID Number: | This material is not subject to regulation as a hazardous material for shipping. |
| 14.2 Shipping Name: | N/A |
| 14.3 Hazard Class: | N/A |
| 14.4 Packing Group: | N/A |
| 14.5 Environmental Hazards: | N/A |
| 14.6 User Precautions: | N/A |
| 14.7 Bulk Transport: | N/A |

15. REGULATORY INFORMATION

- 15.1 **Regulatory Information:** Hazard phrases: H412 - Harmful to aquatic life with long-term adverse effects. Risk phrases: R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

EPA Regulatory Information: N/A

CERCLA Reportable Quantity: N/A

- 15.2 **Superfund Information:**

Hazard Categories:

Immediate: N/A

Delayed: N/A

Fire: NFPA Rating: Health = 1 Fire = 1 Reactivity = 0

Pressure: N/A

Reactivity: N/A

Section 302 - Extremely Hazardous: N/A

Section 311 - Hazardous: N/A

- 15.3 **State Regulations:** No information available.

- 15.4 **Other Regulatory Information:** N/A

16. OTHER INFORMATION

General Comments: This information is based on our current knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application

Creation Date of this SDS: 08/24/2020

Key to Abbreviations and Acronyms used in this sheet:

ACGIH = American Conference of Governmental Industrial Hygienists	NIOSH = National Institute for Occupational Safety and Health
CERCLA = Comprehensive Environmental Response Compensation and Liability Act	OSHA = Occupational Health and Safety Administration
CLP = Classification, Labeling, and Packaging	PEL = Permissible Exposure Limit
DSD = Dangerous Substances Directive	SCBA = Self Contained Breathing Apparatus
EPA = Environmental Protection Agency	STOT = Specific Target Organ Toxicity
GHS = Globally Harmonized System	TLV = Threshold Limit Value
N/A = Not Applicable	UK = United Kingdom
NFPA = National Fire Protection Association	UN = United Nations

Ref:

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