



MSDS For **REMANUFACTURED LASER TONER CARTRIDGE**

ATTENTION IMPORTANT USER INFORMATION!  
MATERIAL SAFETY DATA SHEET  
NOTE: APPLIES TO ALL NCR REMANUFACTURED LASER TONER CARTRIDGES

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Section I (General Information)  
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IDENTITY (As used on label and list): Remanufactured Laser Toner Cartridge

SUPPLIER: NCR Corporation, Systemedia Group  
ADDRESS: 9095 Washington Church Rd.  
                  Miamisburg, OH 45342  
EMERGENCY TELEPHONE NUMBER: (513) 445-2222  
TELEPHONE NUMBER FOR INFORMATION: (513) 439-8509

DATE OF PREPARATION: 8-9-94           REVISED: 10-07-02  
PREPARED AND REVISED BY: Mary Ann Wehr

DISCLAIMER: The information given herein is based on data provided by the manufacturers of each ingredient contained in the product and data derived from other references. The information given herein is in good faith, but no warranty expressed or implied is made.

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Section II - Hazardous Ingredients/Identity Information  
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PRINCIPAL COMPONENTS OF TONER:  
(Specific Chemical Identity; Common Name(s)):

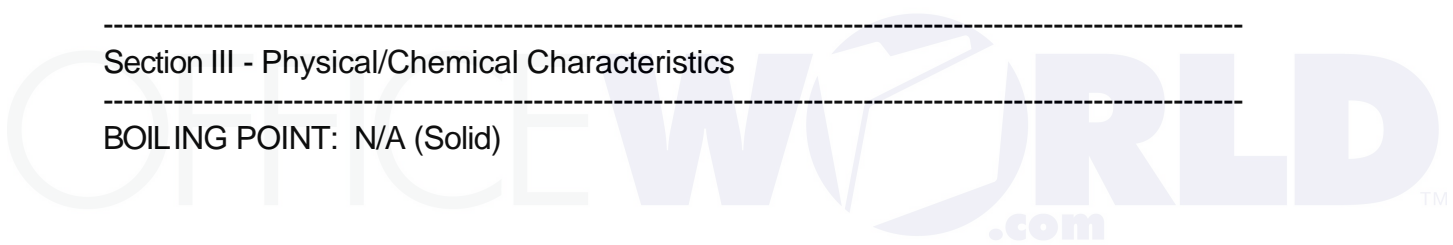
	OSHA PEL	ACGIH TLV
Carbon black, Iron oxide, or Dye(as dust)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Styrene/Acrylate Resin	N/A	N/A
Wax	N/A	N/A

Under normal conditions of use, remanufactured laser toner cartridges do not release or otherwise result in exposure to a hazardous chemical.

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Section III - Physical/Chemical Characteristics  
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BOILING POINT: N/A (Solid)

OfficeWorld.com does not independently verify, and accordingly does not warrant, the accuracy of any information contained in this MSDS.





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VAPOR PRESSURE (mm Hg): N/A

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Section III - Physical/Chemical Characteristics (continued)  
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VAPOR DENSITY (AIR=1): N/A  
SOLUBILITY IN WATER: Negligible  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): 1.5  
MELTING POINT: 90 - 150 °C  
EVAPORATION RATE (Butyl Acetate=1): N/A  
APPEARANCE AND ODOR OF TONER: Black powder, faint odor.

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Section IV - Fire and Explosion Hazard Data  
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FLASH POINT (METHOD USED): N/A  
FLAMMABLE LIMITS- LEL: N/A UEL: N/A  
EXTINGUISHING MEDIA: Water, foam, dry chemical  
SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should wear a positive pressure breathing respirator and extinguish the fire as a class 'A' fire.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Toner is a combustible powder. It can form an explosive mixture when dispersed in air.

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Section V - Reactivity Data  
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STABILITY- UNSTABLE: STABLE: X  
CONDITIONS TO AVOID: None known  
INCOMPATIBILITY (MATERIALS TO AVOID): None known  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Products of combustion are toxic.  
Avoid breathing smoke.  
HAZARDOUS POLYMERIZATION- MAY OCCUR: WILL NOT OCCUR: X  
CONDITIONS TO AVOID: None known

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Section VI - Health Hazard Data  
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ROUTE(S) OF ENTRY: INHALATION? Likely only if cartridge is opened  
SKIN? Likely only if cartridge is opened INGESTION? Unlikely  
HEALTH HAZARDS (ACUTE AND CHRONIC):  
Minimal respiratory tract irritation may occur with exposure to large amounts of any non-toxic dust.  
Oral: Practically non-toxic



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Section VI - Health Hazard Data (continued)  
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Dermal: Practically non-toxic

Eye irritation: Not an irritant

Skin Sensitization: Not a sensitizer

Skin irritation: Not an irritant

Mutagenicity: No known carcinogens or mutagens used in the formulation.

CARCINOGENICITY: NTP? No IARC MONOGRAPHS? No OSHA Regulated? No

In a Xerox sponsored chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1mg/m<sup>3</sup>), the most relevant level to potential human exposure. A very slight degree of fibrosis was noted in 25% of the animals at the middle exposure level (4mg/m<sup>3</sup>) while a slight degree of fibrosis was observed at the highest exposure level (16mg/m<sup>3</sup>) in all animals. These findings are attributed to "lung overloading," a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available toners to comply with EPA testing protocol and would not function properly in copiers or printing equipment.

**EMERGENCY AND FIRST AID PROCEDURES:**

Eyes - Flush with large amounts of water. If irritation develops, consult physician.

Skin - Wash with soap and water.

Ingestion - Drink several glasses of water to dilute.

Inhalation - Remove to fresh air.

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Section VII - Precautions for Safe Handling and Use  
-----**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Sweep up or vacuum to containerize. Remove residue with soap and cold water. After removal of loose toner, garments may be washed or dry cleaned.

**WASTE DISPOSAL METHOD:** As packaged, this product is not a hazardous waste. This product can be landfilled or incinerated in accordance with local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Avoid inhalation of dust.  
Store below 90 °C.

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Section VIII - Control Measures  
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RESPIRATORY PROTECTION (SPECIFY TYPE): None required when used as intended in printer equipment.

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Section VIII - Control Measures (continued)  
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PROTECTIVE GLOVES: None required when used as intended in printer equipment.

EYE PROTECTION: None required when used as intended in printer equipment.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None

WORK/HYGIENIC PRACTICES: Follow normal hygiene practice.

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Section IX - Environmental and Regulatory Data  
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LABELS: See warning labels on packaging for further information.

ECOLOGICAL INFORMATION: Recycling is successful at reducing the amount of waste going to the landfills as does incineration.

WORKPLACE CLASSIFICATION: There is a slight chance for exposure to components with an exposure limit. This means that this product may pose a health hazard (exhibits one or more of the following criteria: irritant, sensitizer, corrosive, carcinogen, toxic, or has a target organ effect); or this product is a physical hazard (meets one or more of the following classifications: combustible liquids, compressed gases, explosives, flammables, organic peroxides, oxidizers, pyrophorics, unstables, or water reactive).

**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE III)**

SECTION 311/312 CATEGORIZATION (40 CFR 370)- Although this product contains a hazardous chemical within 29 CFR 1910.1200, this product is most likely exempt from tier reporting due to the minimum threshold levels.

SECTION 313 INFORMATION (40 CFR 372)- This product does not contain a chemical which is listed in Section 313 above *de minimis* concentrations.

SPILL RESPONSE REPORTING: The release of this material to the environment is not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (40 CFR302) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (40 CFR 355).

RCRA INFORMATION: Waste disposal of this material does not meet RCRA's characteristic definitions of ignitability, corrosivity, or reactivity, and is not listed in 40 CFR 261.33. However, this material has not been evaluated by the toxicity characteristic leaching procedure (TCLP).