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## **MATERIAL SAFETY DATA SHEET**

### **SECTION I - GENERAL INFORMATION**

**PRODUCT NAME:** Toner cartridge for use in Lexmark & IBM desktop Laser Printers

**DESCRIPTION:** The product is an assembly of various plastic and metal components containing toner powder for use in computer laser printers. Under normal operation, end user is not exposed to the toner powder or any other components contained in side the cartridge.

**TONER CHEMICAL FAMILY:** Thermoplastic Powder

### **SECTION II - INGREDIENTS**

<i>PRINCIPAL COMPONENTS</i>	<i>CAS #</i>	<i>TLV</i>	<i>WT %</i>	<i>ACGIH</i>	<i>OSHA PEL</i>
Styrene/Acrylic Copolymer	26655-10-7	-	80-90	-	-
Carbon Black	1333-86-4	-	5-10	-	-
Polyolefin	9003-07-0	-	5-10	-	-
Dye	84179-66-8	-	1-5	-	-

Note: Specific chemical identities & amounts are proprietary. Information given above is for a typical toner formulation and may vary for toner powder used in various laser printer models. The principal component types, however, are the same.

### **SECTION III- PHYSICAL DATA**

<i>BOILING POINT ( C):</i> N.A.	<i>MELTING POINT (C):</i> N.A.
<i>VAPOR PRESSURE (MM Hg):</i> N.A.	<i>VAPOR DENSITY (AIR =1):</i> N.A.
<i>SOLUBILITY IN WATER:</i> Insoluble	<i>SOLUBILITY IN ORGANIC SOLVENTS:</i> N.A.
<i>SPECIFIC GRAVITY: (WATER=1):</i> Greater than 1	<i>% VOLATILE BY VOLUME:</i>
<i>EVAPORATION TATE (BUTYL ACETATE=1):</i> N.A.	
<i>APPEARANCE AND ODOR:</i> Black powder, slight odor	
<i>PH:</i> N.A.	

### **SECTION IV - FIRE & EXPLOSION HAZARD DATA**

<i>FLASH POINT:</i> N.A.	<i>FLAMMABLE LIMITS:</i> N.A.	<i>LEL:</i> N.A.	<i>UEL:</i> N.A.
<i>EXTINGUISHING MEDIA:</i> Dry chemical, water, foam or carbon dioxide			
<i>SPECIAL FIRE FIGHTING PROCEDURE:</i> Avoid inhaling smoke, wear protective clothing and self-contained breathing apparatus			
<i>UNUSUAL FIRE &amp; EXPLOSION HAZARD:</i> none under normal use and conditions			

**SECTION V - REACTIVITY DATA**

*STABILITY:* Stable      *CONDITIONS TO AVOID:* Avoid open flame

*MATERIAL INCOMPATIBILITY FOR TRANSPORT, HANDLING & STORAGE:* None known

*HAZARDOUS DECOMPOSITION OR BYPRODUCTS:* Combustion products may be toxic, avoid breathing smoke

**SECTION VI - HEALTH HAZARD DATA**

*CARCINOGENICITY:- NTP?:* No      *IARC MONOGRAPHS:* No      *OSHA REGULATED:* No

*HEALTH HAZARD (Acute & Chronic):* None when used as intended in laser printers

*SIGNS & SYMPTOMS OF EXPOSURE:* None under normal use, minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust

*PRIMARY ROUTES OF ENTRY:-* Inhalation

*MEDICAL CONDITION GENERALLY AGGRAVATED BY EXPOSURE:* None when used as intended

*EMERGENCY & FIRST AID PROCEDURES:* Contact with skin: wash with soap and water; In eyes: flush eyes with water, seek medical attention.

**SECTION VII - PRECAUTION FOR SAFE HANDLING AND USE**

*SPILL RESPONSE:* Vacuum or sweep. Vacuum filter must be rated for fine dust

*WASTE DISPOSAL METHOD:* Dispose according to federal. State and local regulations. Incinerate only in closed containers

*PRECAUTION TO BE TAKEN IN HANDLING & STORAGE:* Avoid excessive heat. Do not store next to strong oxidizers

**SECTION VIII - CONTROL MEASURES**

*RESPIRATORY PROTECTION:* None when used as intended

*EYE PROTECTION:* None when used as intended

*PROTECTIVE GLOVES:* None when used as intended

*VENTILATION:* Normal office/home condition

*OTHER PROTECTIVE CLOTHING OR EQUIPMENT:* None when used as intended

*WORK/HYGIENIC PRACTICE:* Avoid breathing toner if spilled due to damaged cartridge

**SECTION IX - REGULATORY INFORMATION**

\* This 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 other process. This information is based on the level of our knowledge as of the date of preparation. It is the users responsibility to determine the suitability of this information for each particular use.

\* Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200 (standard must be consulted for specific requirements)

\* N.A. = Not Applicable