



# MATERIAL SAFETY DATA SHEET

## SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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In CANADA, call: 1-800-IBM-4YOU

NAME: IBM 3900/4000 MICR Toner  
IBM Field Use Number: 1402824  
IBM Material Reference Number: 901218220  
TRADE NAMES/SYNONYMS: MICR Toner  
CHEMICAL FAMILY: Thermoplastic Powder  
PRODUCT USE: Electrophotography  
CREATION DATE: 1/21/98 REVISION DATE: 4/30/01

## SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS

**COMPONENT: t-dodecylmercaptan Polymer**  
CAS NUMBER: 67874-88-8  
EC NUMBER: Not Available  
PERCENTAGE: The specific chemical identities and amounts are proprietary.

**COMPONENT: Styrene Acrylic Copolymer**  
CAS NUMBER: 25153-46-2  
EC NUMBER: Not Available  
PERCENTAGE: The specific chemical identities and amounts are proprietary.

**COMPONENT: Ferroso Ferric Oxide**  
CAS NUMBER: 1317-61-9  
EC NUMBER: Not Available  
PERCENTAGE: The specific chemical identities and amounts are proprietary.

**COMPONENT: Polypropylene Wax**  
CAS NUMBER: 9003-07-0  
EC NUMBER: Not Available  
PERCENTAGE: The specific chemical identities and amounts are proprietary.

**COMPONENT: Dye**  
CAS NUMBER: 104815-18-1  
EC NUMBER: Not Available  
PERCENTAGE: The specific chemical identities and amounts are proprietary.

## SECTION 3 - HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=1 FIRE=0 REACTIVITY=0

EC CLASSIFICATION (CALCULATED): Not Available

EMERGENCY OVERVIEW: Not Available

ROUTES OF ENTRY: Inhalation

IRRITANCY OF PRODUCT: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

POTENTIAL HEALTH EFFECTS: None under normal use.

### ***INHALATION:***

SHORT TERM EFFECTS: Minimal respiratory tract irritation.



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LONG TERM EFFECTS: None known.

**SKIN CONTACT:**

SHORT TERM EFFECTS: None under normal use.

LONG TERM EFFECTS: None under normal use.

**EYE CONTACT:**

SHORT TERM EFFECTS: Eye irritation and discomfort.

LONG TERM EFFECTS: Unknown.

**INGESTION:**

SHORT TERM EFFECTS: Unknown.

LONG TERM EFFECTS: Unknown.

**CARCINOGEN STATUS:** Not carcinogenic

**OSHA:** Not Available

**NTP:** Not Available

**IARC:** Not Available

**ACGIH:** Not Available

### **SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Seek adequate ventilation.

**SKIN CONTACT:** Wash with soap and water.

**EYE CONTACT:** Flush with water or use eye drops. If unsuccessful, seek medical attention.

**INGESTION:** Seek medical attention.

### **SECTION 5 - FIRE FIGHTING MEASURES**

**MEANS OF EXTINCTION:** Dry chemical, water, foam or carbon dioxide.

**FLASH POINT (METHOD):** Not Available

**LOWER FLAMMABLE LIMIT:** Not Available

**UPPER FLAMMABLE LIMIT:** Not Available

**AUTOIGNITION TEMPERATURE:** Not Available

**HAZARDOUS COMBUSTION PRODUCTS:** Avoid breathing smoke.

**EXPLOSION DATA:** Not Available

**SENSITIVITY TO MECHANICAL IMPACT:** None known.

**SENSITIVITY TO STATIC DISCHARGE:** Static sensitive.

### **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Instructions for spills:

Contain and clean up spill immediately. Sweep or use vacuum cleaner. Motor in the vacuum should be rated dust tight and a conductive hose should be used to avoid static charge build-up.

### **SECTION 7 - HANDLING AND STORAGE**

Protect product from moisture, store in cool, dry place under low relative humidity, away from excessive heat. Store in original or similar waterproof containers. Reseal containers tightly after each use.

### **SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMITS:** OSHA PEL = 10 mg/m<sup>3</sup> ACGIH Threshold Limit Value = 10 mg/m<sup>3</sup>

**In Canada, consult local authorities for acceptable provincial values.**

**VENTILATION:** None, when used as intended.



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**RESPIRATOR:** None, when used as intended.

**EYE PROTECTION:** None, when used as intended.

**PROTECTIVE GLOVES:** None, when used as intended.

**OTHER PROTECTIVE EQUIPMENT:** None, when used as intended.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Solid material at STP.

**ODOR AND APPEARANCE:** Black powder, slight odor.

**BOILING POINT:** Not available.

**FREEZING POINT:** Not available.

**VAPOR PRESSURE:** Not available.

**VAPOR DENSITY:** Not available.

**SPECIFIC GRAVITY:** 1.4 (H<sub>2</sub>O = 1)

**WATER SOLUBILITY:** Insoluble.

**VOLATILITY:** Not available.

**PH:** Not available.

**ODOR THRESHOLD:** Not available.

**EVAPORATION RATE:** Not available.

**COEFFICIENT OF WATER/OIL DISTRIBUTION:** Not available.

**PRESSURIZED (Y/N):** No.

### SECTION 10 - STABILITY AND REACTIVITY

**CONDITIONS OF REACTIVITY:** None known.

**CONDITIONS TO AVOID:** None.

**INCOMPATIBLE MATERIALS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Unknown.

**POLYMERIZATION:** Will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### **TOXICITY DATA:**

**LD50 (rat,oral):** Not known.

**DL50 (rbt,skin):** Not known.

**LC50 (rat,ihl):** Not known.

**ACUTE TOXICITY LEVEL:** Not known.

**TARGET EFFECTS:** Not known.

**SENSITIZATION TO PRODUCT:** Not known.

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** None known.

**CARCINOGENICITY:** Non-carcinogenic.

**REPRODUCTIVE TOXICITY:** Not known.

**TERATOGENICITY:** Not known.

**MUTAGENICITY:** Not known.

### SECTION 12 - ECOLOGICAL INFORMATION

**ENVIRONMENTAL IMPACT RATING (0-4):** Not known.

**ACUTE AQUATIC TOXICITY:** Not known.

**DEGRADABILITY:** Not known.

**LOG BIOCONCENTRATION FACTOR (BCF):** Not known.

**LOG OCTANOL/WATER PARTITION COEFFICIENT:** Not known.



## **MATERIAL SAFETY DATA SHEET**

### **SECTION 13 - DISPOSAL CONSIDERATIONS**

Observe all federal, regional and local regulations when disposing of this substance. Contact local waste vendors for proper disposal.

### **SECTION 14 - TRANSPORT INFORMATION**

This product is not regulated as a hazardous material under current U.S DOT or Canada TDG.

### **SECTION 15 - REGULATORY INFORMATION**

#### **UNITED STATES:**

**TSCA INVENTORY STATUS (Y/N): Yes.**

#### **CANADA:**

**WHMIS CLASSIFICATION: Class Not known.**

### **SECTION 16 - OTHER INFORMATION**

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