



**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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**In U.S.A., call: 1-800-IBM-4333**

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

**NAME:** IBM 6500 Ultracapacity Printer Ribbon; 6400-I Premium 2000 Printer Ribbon

**IBM Part Number:** 41U1679, 41U1681, 41U1680, 41U1682, 44D7762

**IBM Material Reference Number:** 940273460

**TRADE NAMES/SYNONYMS:** Ink Ribbon

**CHEMICAL FAMILY:** Ink

**PRODUCT USE:** Printer Ribbon

**CREATION DATE:** 8/11/2006

**REVISION DATE:** 5/30/2007

**SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS**

**COMPONENT:** 9-Octadecenoic acid (Z)-  
CAS NUMBER: 112-80-1  
EC NUMBER: 204-007-1  
PERCENTAGE: Proprietary

**COMPONENT:** C.I. Solvent Black 7  
CAS NUMBER: 8005-02-5  
EC NUMBER: 309-912-6  
PERCENTAGE: Proprietary

**COMPONENT:** Aniline  
CAS NUMBER: 62-53-3  
EC NUMBER: 200-539-3  
PERCENTAGE: Proprietary



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**COMPONENT:** C.I. Solvent Violet 8

CAS NUMBER: 52080-58-7

EC NUMBER: 219-831-7

PERCENTAGE: Proprietary

**COMPONENT:** 1,3-Benzeneadimine, 4-(phenylazo)-

CAS NUMBER: 495-54-5

EC NUMBER: 207-803-7

PERCENTAGE: Proprietary

**COMPONENT:** Basic blue 7

CAS NUMBER: 2390-60-5

EC NUMBER: 219-232-0

PERCENTAGE: Proprietary

**COMPONENT:** 2,2'-Methylenebis(6-t-butyl-4-methylphenol)

CAS NUMBER: 119-47-1

EC NUMBER: 204-327-1

PERCENTAGE: Proprietary

**COMPONENT:** Paraffin liquid

CAS NUMBER: 8042-47-5

EC NUMBER: 295-550-3

PERCENTAGE: Proprietary

**COMPONENT:** Carbon Black

CAS NUMBER: 1333-86-4

EC NUMBER: 215-609-9

PERCENTAGE: Proprietary

**COMPONENT:** Methyl ricinoleate

CAS NUMBER: 141-24-2

EC NUMBER: 205-472-3

PERCENTAGE: Proprietary

### **SECTION 3 - HAZARDS IDENTIFICATION**

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

**EC CLASSIFICATION (CALCULATED):** Not applicable

**EMERGENCY OVERVIEW:** Not available

**ROUTES OF ENTRY:** Not available

**IRRITANCY OF PRODUCT:** Not available



**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** May cause irritation  
SHORT TERM EFFECTS: None Known  
LONG TERM EFFECTS: None Known

**SKIN CONTACT:** May cause irritation  
SHORT TERM EFFECTS: None Known  
LONG TERM EFFECTS: None Known

**EYE CONTACT:** May cause irritation  
SHORT TERM EFFECTS: None Known  
LONG TERM EFFECTS: None Known

**INGESTION:** Not a route of exposure  
SHORT TERM EFFECTS: Not Applicable  
LONG TERM EFFECTS: Not Applicable

**CARCINOGEN STATUS:**

**OSHA:** This product is not an Occupational Safety & Health Agency (OSHA) listed carcinogen.  
**NTP:** This product is not a National Toxicology Program (NTP) listed carcinogen.

**NIOSH:** This product is not a National Institute of Occupational Safety & Health (NIOSH) listed carcinogen.

**IARC:** The International Agency for Research on Cancer (IARC) has concluded that there is sufficient evidence of carcinogenicity in experimental animals from carbon black, contained in this product, and insufficient evidence of carcinogenicity in humans. The IARC categorized carbon black as a 2B- possible carcinogen.

**ACGIH:** Not Available

**SECTION 4 - FIRST AID MEASURES**

**INHALATION:** Remove from area of exposure.

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

**EYE CONTACT:** Flush with copious amounts of water for 15 minutes.

**INGESTION:** Call a physician.



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

**CONDITIONS OF FLAMMABILITY:** Not available

**MEANS OF EXTINCTION:** Water, dry chemical, carbon dioxide, foam.

**FLASH POINT (METHOD):** >200 F, No applicable information can be found.

**LOWER FLAMMABLE LIMIT:** No applicable information can be found.

**UPPER FLAMMABLE LIMIT:** No applicable information can be found.

**AUTOIGNITION TEMPERATURE:** 892 F

**HAZARDOUS COMBUSTION PRODUCTS:** Not available

**EXPLOSION DATA:**

**SENSITIVITY TO MECHANICAL IMPACT:** Not Available

**SENSITIVITY TO STATIC DISCHARGE:** Not Available

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

Steps to be Taken in Case Material is Released or Spilled: Not applicable to a ribbon product.

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

Precautions to be Taken in Handling and Storing: Avoid excessive temperature during storage.

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

***EXPOSURE LIMITS:***

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

**VENTILATION:** None

**RESPIRATOR:** None

**EYE PROTECTION:** None

**PROTECTIVE GLOVES:** None

**OTHER PROTECTIVE EQUIPMENT:** None



## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** This is a ribbon (solid) made out of nylon fabric with ink (liquid) soaked into it.

**ODOR AND APPEARANCE:** Nylon ribbon impregnated with black ink, no odor

**BOILING POINT:** No applicable information can be found.

**FREEZING POINT:** Not Applicable

**VAPOR PRESSURE:** 100, 1 5.5 (F, mmHg)

**VAPOR DENSITY:** 12.9

**SPECIFIC GRAVITY:** 0.986

**WATER SOLUBILITY:** 0

**VOLATILITY:** 0

**PH:** No applicable information can be found

**EVAPORATION RATE:** No applicable information can be found

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

**PRESSURIZED (Y/N):** N

## **SECTION 10 - STABILITY AND REACTIVITY**

**CONDITIONS OF REACTIVITY:** Stable

**CONDITIONS TO AVOID:** None

**INCOMPATIBLE MATERIALS:** Oxidizers

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, aldehydes and ketones, combustion products of nitrogen and sulfur, unidentified organics.

**POLYMERIZATION:** Not Applicable

## **SECTION 11 - TOXICOLOGICAL INFORMATION**

### **TOXICITY DATA:**

**LD50 (rat,oral):** Not Available

**DL50 (rbt,skin):** Not Available

**LC50 (rat,ihl):** Not Available

**ACUTE TOXICITY LEVEL:** Not Available

**TARGET EFFECTS:** Not Available

**SENSITIZATION TO PRODUCT:** May cause irritation and dermatitis.



## MATERIAL SAFETY DATA SHEET

**TOXICOLOGICALLY SYNERGISTIC PRODUCTS:** Not Available

**CARCINOGENICITY:**

This product contains trace amounts of Aniline 62-53-3 and Michler's Ketone 90-94-8 which are listed by California Proposition 65.

**REPRODUCTIVE TOXICITY:** Not Available

**TERATOGENICITY:** Not Available

**MUTAGENICITY:** Not Available

### **SECTION 12 - ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING (0-4):** Not Available

**ACUTE AQUATIC TOXICITY:** Not Available

**DEGRADABILITY:** Not Available

**LOG BIOCONCENTRATION FACTOR (BCF):** Not Available

**LOG OCTANOL/WATER PARTITION COEFFICIENT:** Not Available

### **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**

#### **U.S. DEPARTMENT OF TRANSPORTATION**

**SHIPPING NAME:** Not Regulated

**PACKAGING AUTHORIZATIONS:** Not Regulated

**QUANTITY LIMITATIONS:** Not Regulated

#### **CANADA TRANSPORTATION OF DANGEROUS GOODS (TDG) REGULATIONS:**

**SHIPPING NAME:** Not Regulated



**SECTION 15 - REGULATORY INFORMATION**

**UNITED STATES:**

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

**TSCA SECTION 12(b) EXPORT NOTIFICATION.**

CERCLA SECTION 103 (40CFR302.4): None at reportable limit

SARA SECTION 302 (40CFR355.30): None at reportable limit

SARA SECTION 304 (40CFR355.40): None at reportable limit

SARA SECTION 313 (40CFR372.65): None at reportable limit

OSHA PROCESS SAFETY (29CFR1910.119): Non-hazardous

CALIFORNIA PROPOSITION 65:

- Material(s) known to the State of California to cause cancer: Aniline, Carbon Black, Michler's Ketone.

- Material(s) known to the State of California to cause adverse reproductive effects: None.

**SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40 CFR370.21)**

ACUTE HAZARD: None at reportable limit

CHRONIC HAZARD: None at reportable limit

FIRE HAZARD: None at reportable limit

REACTIVITY HAZARD: None at reportable limit

SUDDEN RELEASE HAZARD: None at reportable limit

**CANADA:**

**WHMIS CLASSIFICATION:**

**100% ingredients are listed on the Domestic Substance List.**

**This product has been classified in accordance with the hazard criteria of the CPR and MSDS contains all the information required by the CPR.**



**SECTION 16 - OTHER INFORMATION**

**Additional advice** No information available

**Prepared By:** IBM Printing Systems Division  
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