

Emergency Phone 540-949-1000

## MATERIAL SAFETY DATA SHEET

The following information pertains to the ink used in the ribbon assembly listed in section 1. The ink carried by the ribbon is the only component of the ribbon that can be considered a chemical. All other parts of the ribbon assembly are articles as defined in 29 CFR 1910.1200(c) and as such are not covered by the OSHA Hazard Communication Standard.

### SECTION I - PRODUCT INFORMATION

<b>PRODUCT IDENTIFICATION:</b> 1" Black Ribbon Ink Ribbon Cartridge, Part Numbers: 1A3000B01,B04	<b>FORMULA:</b>  Mixture
<b>CHEMICAL NAME AND SYNONYMS:</b> Black Ink S01	<b>CHEMICAL FAMILY:</b>  N.A.

### SECTION II - HAZARDOUS INGREDIENTS

COMPONENT	CAS. NO.	%	OSHA-PEL	ACGIH-TLV
N.R.	N.R.	*	N.R.	N.R.

\* Proprietary

### SECTION III - PHYSICAL PROPERTIES

<b>APPEARANCE:</b> Black Liquid	<b>ODOR:</b> Like Oil
<b>BOILING POINT:</b> N.R.	<b>MELTING POINT:</b> N.D.
<b>SPECIFIC GRAVITY:</b> N.R.	<b>SOLUBILITY IN WATER:</b> 20 ° C
<b>EVAPORATION RATE:</b> N.D.	<b>Ph (as is):</b> N.D.
<b>VAPOR PRESSURE:</b> N.R.	<b>VAPOR DENSITY:</b> N.D.

### SECTION IV - FIRE AND EXPLOSION DATA

<b>FLASH POINT AND METHOD USED:</b> > 180° C	<b>FLAMMABLE LIMITS:</b>	<b>LEL:</b> N.D.	<b>UEL:</b> N.D.
<b>EXTINGUISHING MEDIA:</b> Carbon Dioxide, Dry Chemical			
<b>SPECIAL FIRE FIGHTING PROCEDURES:</b> Self contained breathing apparatus with full facepiece and protective clothing.			
<b>UNUSUAL FIRE FIGHTING HAZARDS:</b> None Known			

N.A. = Not Applicable N.D. = Not Determined N.R. = Not Reported or Not Listed

## SECTION V - REACTIVITY DATA

STABILITY: **Stable under normal conditions.**

CONDITIONS TO AVOID: **None Known**

INCOMPATIBILITY (MATERIALS TO AVOID) **Oxidizing Agents**

HAZARDOUS DECOMPOSITION OR BY PRODUCTS: **Unknown, assume toxic**

HAZARDOUS POLYMERIZATION: **Will Not Occur**

## SECTION VI - HEALTH HAZARD DATA

ROUTES (S) OF ENTRY:	INHALATION? <b>No</b>	SKIN ABSORPTION? <b>Yes</b>	INGESTION? <b>No</b>
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ACUTE HEALTH HAZARDS: **Not Determined. None expected when used as intended.**

CHRONIC HEALTH HAZARDS: **Not Determined. None expected when used as intended.**

CARCINOGENICITY:	NTP? <b>No</b>	IARC MONOGRAPHS? <b>No</b>	OSHA REGULATED? <b>No</b>
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SIGNS AND SYMPTOMS OF EXPOSURE: **Black smidge on skin that has been in contact with ribbon**

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: **N.D.**

EMERGENCY AND FIRST AID PROCEDURES: **For eye contact, flush eyes with water for at least 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water.**

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: **Bind by means of absorbent material.**

WASTE DISPOSAL METHOD: **Dispose of in accordance with local, state and federal regulations.**

STORAGE AND HANDLING PRECAUTIONS: **Avoid excessive heat during storage.**

OTHER REGULATIONS: **None**

## SECTION VIII - CONTROL MEASURES

VENTILATION  
REQUIREMENTS

LOCAL EXHAUST: **N.A.**

SPECIAL: **N.A.**

MECHANICAL: **N.A.**

OTHER: **N.A.**

RESPIRATORY PROTECTION: **Not required under normal conditions of use.**

PROTECTIVE GLOVES: **Recommended**

EYE PROTECTION: **Not Required**

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: **Not Required**

WORK/HYGIENIC PRACTICES: **Normal workplace hygienic practice is sufficient. Keep from foodstuffs. Avoid skin-contact.**

## Section IX - ADDITIONAL INFORMATION

**None**

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Supersedes: 08/09/96

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Ribbon Number 1A3000B01,B04

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