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MSDS For **MICR 7780 RIBBON**

MATERIAL SAFETY DATA SHEET  
ATTENTION! IMPORTANT USER INFORMATION.  
STOCK NUMBER 182465

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Section I (General Information)  
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IDENTITY (AS USED ON LABEL AND LIST): 7780 MICR Ribbon

This MSDS applies to all spooled MICR 7780, including E-13B and CMC-7

SUPPLIER'S NAME: NCR Corporation, Systemedia Group

ADDRESS: 9095 Washington Church Road

Miamisburg, Ohio 45342

EMERGENCY TELEPHONE NUMBER: (937) 445-2222

TELEPHONE NUMBER FOR INFORMATION: (937) 439-8509

DATE OF PREPARATION: 1-4-93 LAST REVISED: 3-29-01

REVISED BY: greg decapua and Mary Ann Wehr

DISCLAIMER: The information provided herein is based on information 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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HAZARDOUS COMPONENTS:

(Specific Chemical Identity):

| Common Names(s) | OSHA PEL             | ACGIH TLV           | %(OPTIONAL) |
|-----------------|----------------------|---------------------|-------------|
| IRON OXIDE      | 5 mg/m <sup>3</sup>  | N/A                 |             |
| VEGETABLE OIL   |                      |                     |             |
| OIL MIST        | 10 mg/m <sup>3</sup> | 5 mg/m <sup>3</sup> |             |
| OSHA STEL       | 10 mg/m <sup>3</sup> |                     |             |
| CELLULOSE RESIN | N/A                  | N/A                 |             |

This product is a mixture of dry coating containing iron oxide(Fe<sub>3</sub>O<sub>4</sub>) and a cellulose resin on a polyethylene film wound on a core. Under normal conditions of use MICR does not release or 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)  
VAPOR PRESSURE (mm Hg): N/A  
VAPOR DENSITY (AIR=1): N/A  
SOLUBILITY IN WATER: None  
SPECIFIC GRAVITY (H<sub>2</sub>O=1): <1  
MELTING POINT: 480 °F  
EVAPORATION RATE (Butyl Acetate=1): N/A  
APPEARANCE AND ODOR: Black spooled ribbon, slight oil odor

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Section IV - Fire and Explosion Hazard Data  
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FLASH POINT (METHOD USED): None  
FLAMMABLE LIMITS- LEL: None UEL: None  
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam or water.  
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operating in a positive pressure mode. Extinguishers for other burning materials in the area is normally sufficient to stop burning of MICR ribbons.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: None

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Section V - Reactivity Data  
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STABILITY- UNSTABLE:  
    STABLE: X  
    CONDITIONS TO AVOID: Extreme heat  
INCOMPATIBILITY (MATERIALS TO AVOID): None  
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Unknown  
HAZARDOUS POLYMERIZATION- MAY OCCUR:  
    WILL NOT OCCUR: X  
    CONDITIONS TO AVOID: None

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Section VI - Health Hazard Data  
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ROUTE(S) OF ENTRY: INHALATION? No SKIN? No INGESTION? Unlikely



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HEALTH HAZARDS (ACUTE AND CHRONIC): None known.



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Section VI - Health Hazard Data (continued)  
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CARCINOGENICITY: NTP? No IARC Monographs? No OSHA Regulated? No

SIGNS AND SYMPTOMS OF EXPOSURE: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None.

EMERGENCY AND FIRST AID PROCEDURES: N/A

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

Clean up to prevent a slipping hazard.

WASTE DISPOSAL METHOD: Normal solid waste disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid extreme heat.

OTHER PRECAUTIONS: None

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Section VIII - Control Measures  
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RESPIRATORY PROTECTION (SPECIFY TYPE): Not required unless airborne concentrations exceed TLV

VENTILATION: General is usually sufficient

LOCAL EXHAUST: N/A SPECIAL: N/A

MECHANICAL(GENERAL): sufficient OTHER: N/A

PROTECTIVE GLOVES: No

EYE PROTECTION: No

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.



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

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Section IX - Environmental and Regulatory Data (continued)

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WORKPLACE CLASSIFICATION: This product has substances listed in the hazardous materials section and also there is a slight chance for exposure. This means that this product is either 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 is 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).