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MATERIAL SAFETY DATA SHEET

MANUFACTURER:	Epson America 20770 Madrona Avenue Torrance, CA 90509 August 1997
DATE OF PREPARATION:	

SECTION 1: PRODUCT NAME:	IDENTIFICATION 7753, 7754, 7762L, 7763, 8750 8755, 8763, 8766, S015032, S015047, S015060, S015086 Black Nylon Printer Ribbon
DESCRIPTION:	

SECTION 2: PRINCIPAL COMPONENTS: Fatty Acid Mineral Oil Carbon Black Sovent Black Coloring Material Surface Active Agent	INGREDIENTS OF RIBBONS: 112-80-1 8042-047-5 1333-86-4 8005-02-5 8004-87-3 70024-57-6
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SECTION 3: BOILING POINT (C): MELTING POINT (C): VAPOR PRESSURE (MMHG): VAPOR DENSITY (AIR=1): SOLUBILITY IN ORGANIC SOLVENT: SPECIFIC GRAVITY (H₂O=1): PERCENT VOLATILE BY VOLUME(%): EVAPORATION RATE (BUTYL ACETATE+1): pH IN CONCENTRATE: pH IN DILUTION AS USED:	PHYSICAL DATA Above 180 °C Not Applicable Not Applicable Not Applicable Not Applicable 0.98 Not Applicable Not Applicable Not Applicable Not Applicable
APPEARANCE AND ODOR:	See Section 1: Description: Black Ink

SECTION 4: FIRE AND EXPLOSION HAZARD DATA FLASH POINT (METHOD USED): IGNITION TEMPERATURE: FLAMMABLE LIMITS: EXTINGUISHING MEDIA:	Above 190 °C Not Applicable Not Applicable Water Mist, Foam , Dry Powder, CO ₂ Gas, Others
SPECIAL FIRE FIGHTING PROCEDURES:	Not Applicable
UNUSUAL FIRE AND EXPLOSION HAZARDS:	No explosion (at room tempature and pressure)

PRODUCT NAME: Black Nylon Printer Ribbon

SECTION 5: HEALTH HAZARD (Acute and Chronic) There are no health hazards under normal conditions.

EXPOSURE LIMITS:
EFFECTS OF OVEREXPOSURE:

EYE CONTACT: No specific hazard is known to Epson. However, any material that contacts the eye may be irritating

SKIN: Low hazard for industrial handling. No data available for chronic effects overexposure.

EMERGENCY AND FIRST AID PROCEDURES: In case of eye contact, flush with plenty of water.

TOXICITY DATA: Negative mutagenicity (Test species: *S. typhimurium*)

SECTION 6: REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: As with any other organic material, combustion will produce carbon dioxide and probable carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 7:

WASTE DISPOSAL METHOD: Dispose in an approved incinerator or contract with licensed disposal agency. Disposal may be subject to federal state or local laws.

SECTION 8: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required.
VENTILATION: Good general ventilation should be sufficient.
PROTECTIVE GLOVES: None required.
EYE PROTECTION: None required.
OTHER PROTECTIVE EQUIPMENT: None.

SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep out of reach of children.
Keep from contact with oxidizing materials.

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 process. And, it is based on the level of knowledge as of the date of preparation.