

MATERIAL SAFETY DATA SHEET

DATE PREPARED:

April 18, 2000

1. PRODUCT & COMPANY IDENTIFICATION

[PRODUCT NAME] **KSS-BK-107** Black ink for fabric ribbon

[COMPANY IDENTIFICATION]

SUPPLIER

Name: Fujitsu Isotec Limited
Address: 135 Higashinozaki, Hobaramachi, Dategun,
Fukushima 960-06, Japan
Telephone: +81-245-74-2224
Facsimile: +81-245-74-2277 ext. 7387-2089

EMERGENCY CONTACT

Please call the telephone number listed above.

MANUFACTURER

Name : Fujitsu Isotec Limited
Address : 135 Higashinozaki, Hobaramachi, Dategun,
Fukushima 960-06, Japan
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Pigments: 35%
Vehicle: 65%

3. HAZARDS IDENTIFICATION

4. FIRST AID MEASURES

- * EYE CONTACT: Flush with water for 15 minutes including under eyelids. Call Doctor.
- * SKIN CONTACT: Wash with soap and water.
- * INHALATION: Remove to fresh air and restore breathing.
- * INGESTION: Give milk or water and induce vomiting. Call Doctor.

5. FIRE FIGHTING MEASURES

- * EXTINGUISHING MEDIA: Carbon dioxide dry chemical foam.
- * SPECIAL FIRE-FIGHTING PROCEDURES: Wear self-contained positive pressure breathing apparatus and full fire-fighting protective clothing.

* UNUSUAL FIRE AND EXPLOSION HAZARDS: None in normal storage and use conditions.

6. ACCIDENTAL RELEASE MEASURES

* SPILL PROTECTION

- RESPIRATORY PROTECTION: None required in normal use.
 - VENTILATION: LOCAL EXHAUST: None required in normal use.
MECHANICAL: Recommended.
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7. HANDLING & STORAGE

* PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

None

* OTHER PRECAUTIONS::

None

8. EXPOSURE CONTROL/PERSONAL PROTECTION

* OCCUPATIONAL EXPOSURE LIMIT: ACGIH

* ENGINEERING MEASURES:

* PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION: None required in normal use.
 - EYE/FACE PROTECTION: Wear safety glasses.
 - SKIN PROTECTION: Recommended to wear impervious gloves.
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9. PHYSICAL & CHEMICAL PROPERTIES

* APPEARANCE AND ODOR: Black liquid, and characteristic odor.

* DENSITY:

* BOILING POINT: N.D. :

* MELTING POINT:

* VAPOUR PRESSURE: Negligible.

* VAPOR DENSITY: N.D.

* SOLUBILITY IN WATER: Insoluble in water.

* pH

* SOLUBILITY IN OTHER SOLVENT:

* LOG Po/w

* FLASH POINT:

* AUTOIGNITION TEMPERATURE:

* FLAMMABLE LIMITS:

10. STABILITY & REACTIVITY

* STABILITY & REACTIVITY: Stable.

* MATERIALS TO AVOID:

* HAZARDOUS DECOMPOSITION PRODUCTS: Will not occur.

11. TOXICOLOGICAL INFORMATION

- * ACUTE TOXICITY: Oral (rat) LD50: exceed 2000 mg/kg body weight.
- * SKIN IRRITATION: Irritating, but not corrosive (EEC-Standards: a single 4-hour exposure to rabbits)
- * EYE IRRITATION: Not irritating or corrosive to eyes of rabbits (EEC-Standards)
- * SENSITIZING: Not a sensitizer.
- * CHRONIC TOXICITY:
- * MUTAGENICITY: No mutagenic activity in *Salmonella typhimurium* TA1535, TA1537, TA1538, TA98 or TA100, or *Escherichia coli* WP2 uvrA, either in the absence or in the presence of the S-9 mix.
- * CARCINOGENICITY: IARC; , ACGIH; , NTP;
- * REPRODUCTIVE TOXICITY::

12. ECOLOGICAL INFORMATION

- * BIODEGRADATION:
- * BIOACCUMULATION:
- * BIOTOXICITY: hr LC50: ml/l:
- * SENSITIZING:

13. DISPOSAL CONSIDERATION

- * WASTE DISPOSAL METHOD: Incinerate in accordance with Federal., State and local regulation.

14. TRANSPORT INFORMATION

UN Haz. Class:
UN Number:

15. REGULATORY INFORMATION

16. OTHER INFORMATION