

Date Revised: August 15, 1997

Date Issued : July 20, 1995

MATERIAL SAFETY DATA SHEET (1/2)

MSDS No. B-1012

Section 1. Product Identification**Product :**

FO-52NT, FO33NT, UX-21NT (Black Toner)

Section 2. Supplier's Name and Address

Sharp Corporation

22-22 Nagaike-cho, Abeno-ku, Osaka, Japan

Local suppliers are listed below. Please contact the nearest supplier for additional information.

(Country)

(Name and Telephone Number)

U.S.A.

Sharp Electronics Corporation

Telephone number for information: 1-800-237-4277

Emergency telephone number : 1-800-255-3924

Canada

Sharp Electronics of Canada Ltd.

Telephone number for information: 905-890-2100

Emergency telephone number : 1-800-255-3924

United

Sharp Electronics (U.K.) Ltd.

Kingdom

Telephone number for information: 01923-474013

Section 3. Ingredients

<u>Ingredients</u>	<u>CAS No.</u>	<u>Proportion</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
Magnetite	1317-61-9	32.0%	Not listed	Not listed	None
Styrene acrylate copolymer	25153-46-2	63.5%	Not listed	Not listed	None
Polypropylene	25085-53-4	3.0%	Not listed	Not listed	None
Metal complex of hydrobenzene compound	72869-85-3	1.5%	Not listed	Not listed	None

Section 4. Hazardous Identification (Emergency Overview)

Toner is a fine, black powder possessing no immediate hazard.

Section 5. Health Hazard DataRoute(s) of Entry : Inhalation?

Yes

Skin?

No

Ingestion?

Possible but very unusual.

Health Hazards : Acute oral toxicity --- LDL_0 of this toner is over 5,000mg/kg.

No dermal irritant reactions are elicited in any of the rabbits. No acute inhalation toxicity

reactions are elicited in any of the rats.

Mutagenicity --- The result of the Ames test is negative.

Carcinogenicity : NTP?

No

IARC Monographs?

No

OSHA Regulated?

No

Signs and Symptoms of Exposure :

Minimal irritation to respiratory tract may occur as with exposure to any non-toxic dust.

Medical Conditions Generally Aggravated by Exposure : Accumulation of dust in the respiratory system.

S H A R P

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MATERIAL SAFETY DATA SHEET (2/2)

MSDS No. B-1012

Section 5. Health Hazard Data (Continued)

Emergency and First Aid Procedures :

Inhalation --- Remove to fresh air. If effects occur, consult medical personnel.

Eye --- In case of contact, immediately flush eyes with water for 15 minutes.

Section 6. Physical Chemical Characteristics

Boiling/Melting Point: Not applicable
Vapor Pressure : Not applicable
Vapor Density : Not applicable
Evaporation Rate : Not applicable
Appearance : Fine powder
Odor : Odorless

Specific Gravity : 1.47
Solubility in Water : Negligible
PH : Not applicable
Viscosity : Not applicable
Color : Black

Section 7. Fire and Explosion Data

Flash Point (Method Used) : Not applicable**Ignition Temperature** : Not applicable**Flammable Limits** : (LEL); not applicable (UEL); Not applicable**Extinguishing Media** : CO₂, dry chemical, foam or water**Special Fire Fighting Procedure** : Wear self contained breathing apparatus and full protective gear.**Unusual Fire and Explosion Hazard** : This material has no unusual fire or explosion hazards.

Section 8. Reactivity Data

Stability : Stable**Incompatibility (Material to Avoid)** : None**Hazardous Decomposition** : CO, CO₂, and NO_x**Hazardous Polymerization** : Will not occur.

Section 9. Precautions for Safe Handling and Use

Personal Protection Information (Respiratory, Eye Protection and Protective Glove):

Use of a dust mask is recommended when handling a large quantity of toner or during long term exposure, as with any non-toxic dust.

Engineering Control / Ventilation : Not required.**Work / Hygienic Practice** : Inhalation should be minimized as with any non-toxic dust.**Steps to be taken in case of Spill or Leak** : Sweep up or clean up with vacuum cleaner.**Waste Disposal Method** : Waste material may be disposed under conditions which meet all federal, state and local environmental regulations.

Section 10. Regulatory Information

NFPA Rating (U.S.A.) : No information.**WHMIS Legislation (Canada)** : No information.**Transport Information** : No information.**UN No.** : No information.

Section 11. Other Information

None