

S H A R P

Date Revised: August 15, 1997

Date Issued : July 20, 1995

MATERIAL SAFETY DATA SHEET (1/2)

MSDS No.B-1011

Section 1. Product Identification**Product :**

FO-52ND, FO-33ND, UX-21ND (Black Developer)

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 Kingdom	Sharp Electronics (U.K.) Ltd. 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	79.60%	Not listed	Not listed	None
Styrene acrylate copolymer	25153-46-2	19.05%	Not listed	Not listed	None
Polypropylene	25085-53-4	0.90%	Not listed	Not listed	None
Metal complex of hydrobenzene compound	72869-85-3	0.45%	Not listed	Not listed	None

Section 4. Hazardous Identification (Emergency Overview)

Developer is a black powder possessing no immediate hazard.

Section 5. Health Hazard Data**Route(s) of Entry :** Inhalation?

Yes

Skin?

No

Ingestion?

Possible but very unusual.

Health Hazards : Acute oral toxicity --- LDL_0 of this developer in an acute oral toxicity test is over 5.0g./kg. No dermal irritant reactions are elicited in any of the rabbits. No acute oral toxicity reactions are elicited in any of the rats.

Mutagenicity --- This developer has been tested on the Ames test. The result 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.

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MSDS No. B-1011

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

BoilingMelting Point	: Not applicable	Specific Gravity	: 2.95
Vapor Pressure	: Not applicable	Solubility in Water	: Negligible
Vapor Density	: Not applicable	PH	: Not applicable
Evaporation Rate	: Not applicable	Viscosity	: Not applicable
Appearance	: Fine powder	Color	: Black
Odor	: Odorless		

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	: CO ₂ , 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, CO ₂ , 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 developer 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