

Material Safety Data Sheet
 May be used to comply with
 OSHA's Hazard Communication Standard,
 29 CFR 1910.1200. Standard must be
 consulted for specific requirements.

U.S. Department of Labor
 Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072 MSDS NO. F-0281-1



IDENTITY (As Used on Label and List) **Toner** SF-980ST₁/NT₁

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Distributor's Name
 Sharp Electronics Corporation

Emergency Telephone Number
 201-529-9223

Address (Number, Street, City, State, and ZIP Code)
 Sharp Plaza, Mahwah, NJ 07430

Telephone Number for Information
 201-529-8200

Manufacturer's Name
 Sharp Corporation

Date Prepared
 Dec. 19, 1989

Address
 22-22, Nagaike-cho, Abeno-ku, Osaka, JAPAN

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Carbon black	3.5mg/m ³	3.5mg/m ³	None	6.0
(None hazardous ingredients)				
Styrene acrylate copolymer		Not listed	Not listed	None 85.5
Polypropylene		"	"	" 4.5
Metal complex of azo dye		"	"	" 3.0
Iron oxide		"	"	" 1.0

Section III — Physical/Chemical Characteristics

Boiling Point	* N.A.	Specific Gravity (H ₂ O = 1)	1.10
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.

Solubility in Water
 Negligible

Appearance and Odor
 Fine black powder, odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A.	Flammable Limits	LEL N.A.	UEL N.A.
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Extinguishing Media
 CO₂, dry chemical, foam or water.

Special Fire Fighting Procedures
 Wear self-contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards
 This material has no unusual fire or explosion hazards.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (Materials to Avoid)			None
Hazardous Decomposition or Byproducts			CO, CO ₂ and NO _x .
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Possible but very unusual. No Possible but very unusual.

Health Hazards (Acute and Chronic)

LDLo value of this toner in an acute oral toxicity test is over 5.0g/Kg.

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

No the reactions of the acute inhalation toxicity are elicited in any of the rats.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

No No No

This toner shows negative in Ames test.

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.

Emergency and First Aid Procedures

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

Eyes: In case of contact, immediately flush eyes with water for 5 minutes.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled

Sweep up or clean up with a vacuum cleaner.

Waste Disposal Method Waste material may be dumped or incinerated under conditions which meet all federal, state and local environmental regulations.

Precautions to Be Taken in Handling and Storing

No special storage requirements for safety reasons.

Other Precautions None

Section VIII — Control Measures

Respiratory Protection (Specify Type) None required under normal use.

Ventilation	Local Exhaust	No	Special	No
	Mechanical (General)	No	Other	No

Protective Gloves None required under normal use. Eye Protection None required under normal use.

Other Protective Clothing or Equipment None required under normal use.

Work/Hygienic Practices Inhalation should be avoided.