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MSDS NO. F-0161

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



IDENTITY (As Used on Label and List) SF-73071 Black Toner 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

Table with 2 columns: Distributor's Name, Address, Manufacturer's Name, Address, Emergency Telephone Number, Telephone Number for Information, Date Prepared, Signature of Preparer (optional). Values include Sharp Electronics Corporation, Sharp Plaza, Marwan, NJ 07430, Sharp Corporation, 22-22 Nacaiké-cho, Abeno-ku, Osaka, JAPAN, 201-529-9223, 201-529-8200, DEC. 17, 1987.

Section II - Hazardous Ingredients/Identify Information

Table with 5 columns: Hazardous Components (Specific Chemical Identity; Common Name(s)), OSHA PEL, ACGIH TLV, Other Limits Recommended, % Fractional. Rows include Carbon black (CAS No. 1333-86-4), Styrene-Acrylate copolymer (CAS No. 25767-47-9), and Organic ammonium salt (CAS No. 102561-46-6).

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Section III - Physical/Chemical Characteristics

Table with 2 columns: Property, Value. Properties include Boiling Point, Vapor Pressure (mm Hg), Vapor Density (AIR = 1), Solubility in Water, Appearance and Odor. Values include n.a., 1.1, n.a., Negligible, Fine, black powder, odorless.

Section IV - Fire and Explosion Hazard Data

Table with 4 columns: Flash Point (Method Used), Flammable Limits, LEL, UEL. Values include n.a., n.a., n.a., n.a. Includes text: CO2, dry chemical, foam or water; This material will burn in the case of fire; The decomposition products are CO, CO2 and NOx; This material has no unusual fire or explosion hazards.

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## Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid None
	Stable	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur	Conditions to Avoid None
	Will Not Occur	

## Section VI — Health Hazard Data

Routes of Entry	Inhalation?	Skin?	Ingestion?
	Yes	No	Possible but very unusual

Health Hazards (Acute and Chronic):  
LD<sub>50</sub> value of this toner in an oral acute toxicity test is over 5 g/Kg

The result of Ames Test is negative

Carcinogenicity	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

Minimum 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 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	Special
	No	No
	Mechanical (General)	Other
	No	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

None required under normal use

Work Hygiene Practices

Inhalation should be avoided

## 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



IDENTITY (As Used on Label and List)  
SF-730DVI Black Developer

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 201-529-9200
Manufacturer's Name Sharp Corporation	Date Prepared DEC. 17, 1987
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	As (color(s))
Carbon black (CAS No. 1333-86-4)	3.5mg/m <sup>3</sup>	3.5mg/m <sup>3</sup>	None	<0.2%
None hazardous ingredients				
Ferrite carrier	-	Not listed	None	>96%
Iron oxide (CAS No. 1309-37-1)				
Copper oxide (CAS No. 1317-38-0)				
Zinc oxide (CAS No. 1314-13-2)				
Styrene-Acrylate copolymer (CAS No. 25767-47-9)	-	Not listed	None	<4%

## Section III — Physical/Chemical Characteristics

Boiling Point	* n.a.	Specific Gravity (H <sub>2</sub> O = 1)	about 5
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	Dark, black powder, odorless		

## Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	n.a.	Flammable Limits	LEL n.a.	UEL n.a.
Extinguishing Media	CO <sub>2</sub> , dry chemical, foam or water			
Special Fire Fighting Procedures	This material will burn in the case of fire			
Unusual Fire and Explosion Hazards	The decomposition products are CO, CO <sub>2</sub> and NO <sub>x</sub>			
	This material has no unusual fire or explosion hazards			

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Section V — Reactivity Data

Stability	Unstable	Conditions to Avoid	None
	Stable	X	

Reactivity (Materials to Avoid)

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur	Conditions to Avoid	None
	Will Not Occur	X	

Section VI — Health Hazard Data

Routes of Entry	Inhalation?	Yes	Skin?	No	Ingestion?	Possible but very unusual
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Health Hazards (Acute and Chronic):  
LD50 value of the toner, which is included in this developer, in an oral acute toxicity test is over 5 g/kg.

The result of Ames Test is negative.

Carcinogenicity	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No
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Signs and Symptoms of Exposure  
Minimum 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 effect 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 condition 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/Hygiene Practices  
Inhalation should be avoided.