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.

IDENTITY (As Used on Label and List)
SF-830ND1 Black Developer

Section I
Distributor's Name
Sharp Electronics Corporation

Emergency Telephone Number
201-529-2223

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
Apr. 5, 1988

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

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))

| Carbon black (CAS No. 1333-86-4) | 3.5 mg/m³ | 3.5 mg/m³ | None | 0.2 - 0.2 |

None hazardous ingredients

Section III — Physical/Chemical Characteristics

| Boiling Point | 7.8 | Specific Gravity (H₂O = 1) | about 2. |
| Vapor Pressure (mm Hg.) | 7.8 | Melting Point | 7.8 |
| Vapor Density (AIR = 1) | 7.8 | Evaporation Rate (Butyl Acetate = 1) | 7.8 |

Solubility in Water
Negligible

Appearance and Odor
Fine, black powder, odorless

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
| n.a. | Flammability Limits | LEL | UEL |
| n.a. | | n.a. | n.a. |

Extinguishing Media
CO₂, dry chemical, foam or water.

Special Fire Fighting Procedures
This material will burn in the case of fire.

The decomposition products are CO, CO₂ and NOx.

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

(Reproduce locally)
Section V — Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

Incompatibility (Materials to Avoid) None

Hazardous Decomposition or Byproducts CO, CO₂, and NOₓ

Hazardous Polymerization

<table>
<thead>
<tr>
<th>May Occur</th>
<th>Conditions to Avoid</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Will Not Occur</td>
<td></td>
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</tbody>
</table>

Section VI — Health Hazard Data

Route(s) of Entry

- Inhalation?: Yes
- Skin?: No
- Ingestion?: Possible but very unusual

Health Hazards (Acute and Chronic)

LD₅₀ value of the toner, which is included in this developer, in an oral acute toxicity test is over 5.0g/kg.

Carcinogenicity:

- NTP?: No
- IARC Monographs?: No
- OSHA Regulated?: No

Signs and Symptoms of Exposure

Minimum irritation to respiratory tract may occur 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

<table>
<thead>
<tr>
<th>Local Exhaust</th>
<th>Special</th>
<th>Mechanical (General)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td></td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

Protective Gloves

None required under normal use

Eye Protection

None required under normal use

Other Protective Clothing or Equipment

None required under normal use

Worn/Hygienic Practices

Inhalation should be avoided