Material Safety Data Sheet

IDENTITY (As Used on Label and List)
SP-730DV1 Black Developer

Section I

Distributor's Name
Sharp Electronics Corporation

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

Manufacturer's Name
Sharp Corporation

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

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))
Carbon black (CAS No. 1333-86-4) 3.5mg/m³ 3.5mg/m³ None <0.3%

None hazardous ingredients

Ferrite carrier
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)

Section III — Physical/Chemical Characteristics

Boiling Point n.a. Specific Gravity (H₂O = 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 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) * Not applicable
**Section V — Reactivity Data**

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

**Incompatibility (Materials to Avoid)**

**Hazardous Decomposition or Byproducts**

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

**Section VI — Health Hazard Data**

**Routes of Entry:**
- Inhalation: Yes
- Skin: No
- Ingestion: Possible but very unusual

**Health Hazards (Acute and Chronic):**
- LDLo value of the toner, which is included in this developer, in an oral acute toxicity test is over 5 mg/kg.

**The result of 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.

**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.