SECTION VI - HEALTH HAZARD DATA

Health Hazard: None when handled in normal manner.

Inhalation: None

Ingestion: None

Skin Contact: None

Eye Contact: None

Health Hazard Classification: None

Material Safety Data Sheet

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

SECTION I

Product Name: Panasonic Dry Toner PG-110CR-PG

Chemical Name & Synonyms: Electrostatic Toner

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

SECTION IV - FIRE AND EXPLOSION HAZARD DATA
SECTION V - INACTIVITY DATA

**FP-1300/1310R RED TONER**

<table>
<thead>
<tr>
<th>Stability</th>
<th>Nonstable</th>
<th>Transition to Solid Abnormally high temperature.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity</td>
<td>Yes</td>
<td>Abnormally high temperature.</td>
</tr>
<tr>
<td>Reactive</td>
<td>Yes</td>
<td>Reactive</td>
</tr>
<tr>
<td>Resistant Decomposition or Acidogen</td>
<td>None.</td>
<td></td>
</tr>
<tr>
<td>Resistant Deposition or Oxidant</td>
<td>None in normal handling and use.</td>
<td></td>
</tr>
<tr>
<td>Resistant</td>
<td>Yes Flammable</td>
<td>Condition to Solid Abnormally high temperature.</td>
</tr>
<tr>
<td>Flammable</td>
<td>Yes</td>
<td>Abnormally high temperature.</td>
</tr>
</tbody>
</table>

SECTION VI - HEALTH HAZARD DATA

<table>
<thead>
<tr>
<th>Health Hazard (Acute and Chronic)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Health hazard is minimal being neither irritating, corrosive, volatile, nor toxic. Mutagenicity is negative.</strong></td>
<td></td>
</tr>
<tr>
<td>Contaminants</td>
<td>NFY</td>
</tr>
<tr>
<td>List of Carcinogens which are listed in NTP, IARC and OSHA.</td>
<td></td>
</tr>
</tbody>
</table>

**Sign and Symptom of Exposure**

- **Contact with eyes may result in mechanical irritation. Inhalation of dust may irritate mucous membranes. Ingestion may result in gastric disturbances.**
- **EYES**.....immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.
- **Skin**.....wash with soap and water. If irritation develops, get medical attention. Remove and launder contaminated clothing before washing.
- **Ingestion**....if swallowed, diluted with water and immediately induce vomiting. Get medical attention if the victim is unconscious or having convulsions.
- **Inhalation**....remove from fresh air. Aid in breathing if necessary and get medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**Steps to be Taken in Case Material is Released or Spilled**

- **Vacuum or sweep up dry powder.**
- **Waste Disposal Method**
- **Dispose in accordance with local, state and federal regulations.**
- **Precautions to Be Taken in Handling and Storage**
- **Avoid dust inhalation and skin contact.**
- **Other Precautions**
- **Keep containers closed. Store in cool, dry place.**

SECTION VIII - CONTROL MEASURES

**Respiratory Protection**

- **None required under normal use.**
- **Nose required under normal use.**
- **Other**
- **Protective Goggles**
- **None required under normal use.**
- **Eyewash**
- **None required under normal use.**
- **Other Protective Equipment**
- **None required under normal use.**
- **Work/Environmental**
- **Minimal breathing dust.**

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point**

- **1148-1328°C (FP)**
- **Specific Gravity (Wt/Wt)**
- **4.3-6.3**

**Vapor Pressure (mm Hg)**

- **N.A.**

**Vapor Density (AIR=1)**

- **Evaporation Rate (Isopropyl Alcohol=1)**
- **N.A.**

**Solubility in Water**

- **Negligible**

**Appearance and Odor**

- **Brown, no odor**

SECTION X - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used)**

- **N.A.**

**Flammable Limits**

- **LDL = N.A.**

**Distinguishable**

- **Dry chemical**

**Special Fire Fighting Procedures**

- **Self-contained breathing apparatus and (w) protective scales or dust and (w) smoke. In case of a large quantity of drums produces fumes or vapes at a high temperature.**

**Unusual Fire and Explosion Hazards**

- **Nothing**

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**MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD**

**Office Equipment Division**

**Date:** Jan. 12, 1998

**PRODUCT NAME:** FP-1300/1310R RED TONER

**CHEMICAL NAME:** Dithiothreitol

**INCENTIVE IN THE USE OF THE INFORMATION CONTAINED IN THIS SHEET:**

- **Listed**
- **Not-listed**
- **PUI**
- **OSHA FEL**
- **ACGIH TLV**

**INGREDIENTS/IDENTITY INFORMATION**

<table>
<thead>
<tr>
<th>Inert</th>
<th>Listed</th>
<th>N/A</th>
<th>Not Listed</th>
<th>PUI</th>
<th>OSHA FEL</th>
<th>ACGIH TLY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

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**INGREDIENTS**

- **(CHEMICAL NAME)**
- **CAS #**
- **Wt%**
- **OSHA**
- **OSHA FEL**
- **ACGIH TLY**
- **ML**
- **15mg/m³**

**Selenium (Se)**

- **13455-61-9**
- **1.5**
- **OSHA=2.0mg/m³**
- **ACGIH=2.0mg/m³**

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**SECTION XI - MATERIAL SAFETY DATA SHEET**

**DRUM**

**Chemical Name:** Dithiothreitol

**Emergency telephone:**

- **Within the company:**
- **Outside the company:**

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**SECTION XII - INSTRUCTIONS FOR REACTORS AND STORED MATERIALS**

**Special Instructions:**

- **This material is used as intended.**