Material Safety Data Sheet

PP-2520/2625/1520

Date: July 31, 1991

SECTION I

Product Name
Panasonic Dry Toner FQ-T20C

Chemical Name & Synonym
Electrostatic Toner

Product Class
Inert resinated black powder

Emergency Phone No.
Matsushita Electric Industrial Co., Ltd.
Japan 0286-63-3221

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>CAS #</th>
<th>% IN PRODUCT</th>
<th>LST (OSHA)</th>
<th>OSHA PEL</th>
<th>ACGIH</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>1 - 5</td>
<td>L</td>
<td>3.5 mg/m³</td>
<td>L</td>
<td>3.5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesite</td>
<td>1309-38-2</td>
<td>10 - 30</td>
<td>NL</td>
<td>—</td>
<td>NL</td>
<td>—</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Propanoic acid, 2-methyl-, polymer with butyl 2-propenylate and 2-ethyl benzene</td>
<td>25787-47-9</td>
<td>60 - 100</td>
<td>NL</td>
<td>—</td>
<td>NL</td>
<td>—</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1-Propane, homopolymer</td>
<td>9003-07-0</td>
<td>—</td>
<td>NL</td>
<td>—</td>
<td>NL</td>
<td>—</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chromium(III)-bis[5-bis(L-1-dimethylaminoethyl-L-1-hydroxybenzotriazole)(2-)amino]- hydrogen</td>
<td>72869-85-3</td>
<td>1 - 5</td>
<td>L</td>
<td>0.5 mg/m³</td>
<td>L</td>
<td>0.5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica</td>
<td>7631-86-9</td>
<td>0.1 - 1.0</td>
<td>L</td>
<td>6 mg/m³</td>
<td>L</td>
<td>10 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TLV of the Product: 10 mg/m³ (Total Dust), 5 mg/m³ (Respirable)
PEL of the Product: 15 mg/m³ (Total Dust), 5 mg/m³ (Respirable)

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.
Coral 72869-85-3: 1 - 5 % (as Cr³⁺)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

- Boiling Point: Not applicable
- Specific Gravity (H₂O = 1): 1.3
- Vapor Pressure (cm Hg): Not applicable
- Melting Point: 177 °C
- Vapor Density (Air = 1): Not applicable
- 1.0: Not applicable
- Insoluble

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

- Flash Point (Method Used): Not applicable
- Flash Point: Not applicable
- Flammable Limits: Not applicable
- LEL: UEL

Extinguishing Media: Water, CO₂, Foam, Dry Chemical

Special Fire Fighting Procedures: Not flammable or combustible but will burn if ignited. Extinguish with water, CO₂, form dry chemical

Unusual Fire and Explosion Hazards: None under normal storage and use conditions.
SECTION V - REACTIVITY DATA

<table>
<thead>
<tr>
<th>Stability</th>
<th>Condition to Avoid</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
<td>Abnormally high temperature.</td>
</tr>
<tr>
<td>Stable</td>
<td></td>
<td>None.</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)
None.

Hazardous Decomposition or Byproducts
None in normal handling and use.

Hazardous Polymerization
May Occur
Condition to Avoid
Abnormally high temperature.

Will Not Occur

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Skin</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

Health Hazard (Acute and Chronic)
Health hazard is minimal being neither irritating, corrosive, volatile, nor toxic. Mutagenicity is negative.

Carcinogenicity:
NTP?
IARC Monographs?
OSHA Regulated?

Not use carcinogens which are listed in NTP, IARC and OSHA.

Signs and Symptoms of Exposure
Contact with eyes may result in mechanical irritation. Inhalation of dust may irritate mucous membranes. Ingestion may result in gastric disturbances.

Medical Conditions
EYES------Immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.

Emergency and First Aid Procedures
SKIN------Wash affected areas with soap and water. If irritation develops, get medical attention. Remove and launder contaminated clothing before reuse.

INGESTION------If swallowed dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsion. Get medical attention.

INHALATION------Remove to fresh air area. 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 Storing
Avoid dust inhalation and skin contact.

Other Precautions
Keep containers closed. Store in a cool, dry place.

SECTION VIII - CONTROL MEASURES

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

Ventilation
Local Exhaust
None required under normal use.

Special
None required under normal use.

Mechanical (General)
None required under normal use.

Other
None required under normal use.

Protective Gloves
None required under normal use.

Eye Protection
None required under normal use.

Other Protective Equipment
None required under normal use.

Work/Hygienic Practices
Minimize breathing dust.

These data described solely the safety requirements for the product and are based on the present state of our knowledge. They provide no guarantee of the product described within the meaning of the legal guarantee regulations.