Canon

MATERIAL SAFETY DATA SHEET
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Date of revision:

SECTION 1 IDENTIFICATION

TRADE NAME: MP Cartridge 40 Black for FP300 Printer.

PRODUCT DESCRIPTION: An assembly composed of a photosensitive drum, toner powder, developer unit, charger-roller and cleaner blade.

ITEM NO: M95-0471

NFPA HMIS RATINGS: Health: 0, Flammability: 1, Reactivity: 0

SECTION 2 INGREDIENTS

<table>
<thead>
<tr>
<th>Principal Components(s)</th>
<th>CAS No.</th>
<th>WT. %</th>
<th>OSHA (PEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene Acrylate Copolymer</td>
<td>-----</td>
<td>45-55</td>
<td>N/A</td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1317-61-9</td>
<td>45-55</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Manufacturer contact states all other information is proprietary.

N/A = Not Applicable

Concerning carcinogenicity, the ingredients listed above are not listed on the latest NTP Annual Report, IARC Monographs and OSHA regulation.

SECTION 3 PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT (°C)</td>
<td>N/A</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>100 - 150 °C</td>
</tr>
<tr>
<td>VAPOR PRESSURE (mmHg.)</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>Negligible</td>
</tr>
<tr>
<td>SOLUBILITY IN ORGANIC SOLVENTS</td>
<td>Partially soluble in toluene &amp; xylene</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY (WATER=1)</td>
<td>1.4 - 1.6</td>
</tr>
<tr>
<td>PERCENT VOLATILE BY VOLUME</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE (BUTYL ACETATE=1)</td>
<td>N/A</td>
</tr>
<tr>
<td>PH IN CONCENTRATE</td>
<td>N/A</td>
</tr>
<tr>
<td>PH IN DILUTION AS USED</td>
<td>N/A</td>
</tr>
<tr>
<td>APPEARANCE AND ODOR</td>
<td>Black fine powder, slight plastic odor.</td>
</tr>
</tbody>
</table>
SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A
IGNITION TEMPERATURE: N/A
FLAMMABILITY: Non-flammable solid (According to test method 16 CFR 1500.44).
FLAMMABLE LIMITS: N/A
EXTINGUISHING MEDIA: Water, Dry Chemical, Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE AND EXPLOSION HAZARDS: This material, like most organic material in powder form, is capable of creating a dust explosion.

SECTION 5 HEALTH HAZARD DATA

** Toner powder is not accessible, unless the cartridge is forced, or broken into.

A. EXPOSURE LIMITS: See Section 2
   OSHA (TWA/PEL) = 15mg/m³ (Total Dust)
   5mg/m³ (Respirable Fraction)
   ACGIH (TWA/TLV) = 10mg/m³ (Total Dust)

B. EFFECTS OF OVEREXPOSURE:
   INGESTION: Not an applicable route of entry under ordinary use.
   INHALATION: Minimal respiratory tract irritation may occur as with exposure to large amounts of non-toxic dust.
   EYE CONTACT: No specific hazard known to Canon. However, any material contact the eye may be irritating.
   SKIN CONTACT: Low hazard for industrial handling. Overexposure unlikely to cause skin irritation.

No data available for chronic effects of overexposure.

C. TOXICITY DATA:
   ACUTE TOXICITY:
   INGESTION: LD₅₀ >5,000mg/kg (rat). No adverse effects are expected.
   INHALATION: No Data Available.
   EYE CONTACT: Not classified as an irritant according to OSHA HCS.
   SKIN CONTACT: Not classified as an irritant according to OSHA HCS.
   CHRONIC TOXICITY: No Data Available.
   Mutagenicity: Negative (Test species S. Typhimurium)

SECTION 6 EMERGENCY FIRST AID

Inhalation: Remove from exposure.
Eye: In case of eye contact, flush eye with plenty of water for at least 15 minutes. If irritation persists contact a physician.
Skin: Wash with soap and water.
Ingestion: Dilute stomach contents with several glasses of water.
SECTION 7 REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY: Strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS: As with any other organic material, combustion will produce Carbon Dioxide and probably Carbon Monoxide. Will not occur.

SECTION 8 SPILL, LEAK AND DISPOSAL PROCEDURES

SPILLS & LEAKS: No toner spillage occurs during normal operation or handling. If it should occur, avoid inhalation of dust. Sweep material onto paper and collect it.

DISPOSAL METHOD: No special disposal technique required. Ensure compliance with federal, state and/or local regulations. Cartridge and toner may be considered plastic waste.

SECTION 9 SPECIAL PROTECTION INFORMATION

VENTILATION: Good general ventilation should be sufficient
PROTECTION GLOVES: None required
EYE PROTECTION: None required
RESPIRATORY: None required
OTHER PROTECTIVE EQUIPMENT: None.

SECTION 10 SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
- Keep out of reach of children.
- Keep from contact with oxidizing materials.

SECTION 11 REGULATORY INFORMATION

CHEMICALS REQUIRED TO BE REPORTED UNDER SARA TITLE III, CERCLA: --None--

DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: N/A
Hazard Class: N/A
UN ID No.: N/A

ALL COMPONENTS ARE REGISTERED IN ACCORDANCE WITH TSCA.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process.

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