Material Safety Data Sheet

Public

Section 1. Chemical Product and Company Identification

FOR
EMERGENCIES
Health: (716)
422-2177
Transportation:
(716) 422-1230
In Quebec:
1-800-463-5060

FOR INFORMATION
Customer Safety:
Tel: 1-800-828-6571
Internet:customer_safety@wb.xerox.com
MSDS Webpage:
http://www.xerox.com/ehs/msds

MSDS#
A-0059
600E58230
Date
12/15/86
Revision Date
3/27/98

Manufacturer(s)
Xerox Corporation
Rochester, NY
14644

Supplier(s)
Not applicable.

Material Uses
Xerographic imaging media.

Trade Name(s)
Class II, 5820, 5818, XC-1875, 5018, XC-2675, 5328, 5021, 5034, 5321, 5334, 5824,
5626, 5830, 5828, 5126, 5016, 5028, 5534 Black Toner / Dry Ink Cartridge

Chemical name
Not applicable.

Synonym
None.

Part No.
FX: 13R31*
NVY: CL266R458, CL236R548, CL256R458

Section 2. Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>Common Name</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits PEL/TLV/XEL</th>
<th>LC50/LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene/butadiene copolymer</td>
<td>9003-55-8</td>
<td>75-80</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Steel powder</td>
<td>7439-89-6</td>
<td>20-30</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td>Carbon black</td>
<td>1333-86-4</td>
<td>1-5</td>
<td>ACGIH (TLV): 3.5 (mg/m³) [1996]</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Acute Health Effects
Non-irritant for skin. Non-sensitizer for skin. Non-irritating to the eyes.

Chronic Health Effects
CARCINOGENIC EFFECTS: None present.
MUTAGENIC EFFECTS: None detected in Ames, Micronucleus, CHO/HGPRT, and Yeast Mitotic Recombination assays.

Primary Routes of Entry
Inhalation.

Medical Conditions Aggravated
None when used as described by product literature.
MSDS A-0059

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Not available.</th>
<th>VOC</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting Point</td>
<td>85°C to 100°C (185 to 212°F)</td>
<td>Evaporation</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>(Water = 1)</td>
<td>Viscosity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available.</td>
<td>Solubility in</td>
<td>Insoluble in cold water.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available.</td>
<td>water</td>
<td></td>
</tr>
</tbody>
</table>

**Section 10. Stability and Reactivity Data**

- **Chemical Stability**: This product is stable.
- **Incompatibility with various substances**: None known.
- **Hazardous Decomposition Products**: Not available.
- **Hazardous Polymerization**: Will not occur.

**Section 11. Toxicological Information**

- **Acute Effects**
  - **Eye Irritant**: Non-irritating to the eyes.
  - **Skin Sensitizer**: Non-sensitizer for skin.
  - **Skin Irritant**: Non-irritant for skin.
  - **Human Skin Patch**: Non-irritating, non-sensitizing

- **Oral (LD50)**: >5000 mg/kg [Rats].
- **Dermal (LD50)**: >5000 mg/kg [Rabbits].
- **Inhalation (LC50)**: >5 mg/l (Rats) 4hr.
- **Inhalation (LC50)**: >20 mg/l (Rats) calculated 1hr.
- **Aquatic (LC50)**: >1000 mg/l (rainbow trout)

- **Chronic Effects**
  - **CARCINOGENIC EFFECTS**: None.
  - **MUTAGENIC EFFECTS**: None detected in Ames, Micronucleus, CHO/HGPRT, and Yeast Mitotic Recombination assays.

- **Additional Information**
  The results obtained from a Xerox sponsored Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1 mg/m3) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in 25% of the animals at the middle (4 mg/m3) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m3) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of any dust retained in the lungs for a prolonged period. This study was conducted using a specialist toner to comply with EPA testing protocol. The test toner was ten times more respirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.

- **Special Remarks**: This material has been evaluated by Xerox Corporation. The toxicity data presented in this section is based on test results of similar xerographic toners.

- **Toxic Effects in Humans**
  - **No additional remark.**

**Section 12. Ecological Information**

- **Ecotoxicity**: Not available.
- **BOD and COD**: Not available.
- **Products of Biodegradation**: Not available.
- **Bioaccumulation**: Not available.
- **Toxicity of the Products of Biodegradation**: Not available.
- **Special Remarks on the Products of Biodegradation**: No additional remark.

**Section 13. Disposal Considerations**

- **Waste**: This material is not hazardous waste according to Federal Regulation 40 CFR 261 when...