Section I - Product Identification

Trade Names/Synonyms: 4635 MX, DocuPrint 96MX, DocuPrint 135 MX
Black Developer

Part No.: 5R573, RX: 5R90201

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
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</thead>
<tbody>
<tr>
<td>Iron powder (90-100%)</td>
<td>7439-89-6</td>
</tr>
<tr>
<td>Styrene/butadiene copolymer (1-5%)</td>
<td>9003-55-8</td>
</tr>
<tr>
<td>Magnetite (1-3%)</td>
<td>1317-61-9</td>
</tr>
<tr>
<td>Carbon black (0-1%)</td>
<td>1333-86-4</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid

Primary Route of Entry: Inhalation

Eyes: Flush with water.

Skin: Wash with soap and water.

Inhalation: Remove from exposure.

Ingestion: Dilute stomach contents with several glasses of water.

Symptoms of Overexposure:
Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.

Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.

Additional Information: None.

Section III - Toxicology and Health Information

The toxicology of this developer has been evaluated by Xerox Corporation. Data presented in this section is based on the test results of the toner or similar reprographic toners. The major component is not included due to its toxicological inertness and large particle size.

Oral LD₅₀: >5 g/kg (rats)
Dermal LD₅₀: >5 g/kg (rabbits)
Inhalation LC₅₀: >5 mg/l (rats, 4 hr exposure)
>20 mg/l (rats, calculated 1 hr exposure)

Eye Irritation: Non-irritating (rabbits)

Skin Sensitization: Non-sensitizing (guinea pigs; human patch)

Skin Irritation: Non-irritating (rabbit; human patch)

Mutagenicity: No mutagenicity detected in Ames, Micronucleus, CHO/HGPRT, and Yeast Mitotic Recombination Assays.

Carcinogens: None known.

Aquatic LC₅₀: >1000 mg/l (fathead minnows; rainbow trout)

TLV: 10mg/m³ (total dust)
PEL: 15 mg/m³ (total dust)
STEL: N.E.
Ceiling: N.E.
XEL¹: 2.5 mg/m³ (total dust)

Additional Information: The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m³) exposure level (i.e. the level most relevant to potential human exposure). A very slight degree of fibrosis was noted in one-forth of the animals at the middle (4mg/m³) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16mg/m³) exposure level. These findings are attributed to "lung overloading", a generic response to excessive amounts of dust retained in the lungs for a prolonged period. This study was conducted using a special test 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.

¹XEL-Xerox Exposure Limit
N.A. - Not Applicable  N.E. -None Established  N.D. -Not Determined
Section IV - Physical Data

Appearance/Odor: Black granular powder / slight
Boiling Point: N.A.
Solubility in Water: Insoluble
Evaporation Rate: N.A.
Vapor Density (Air=1): N.A.
Volatile N.A.% (Wt.) N.A. % (Vol.)

Softening Range: N. A.
Melting Point: ~1500 °C
Specific Gravity (H2O=1): ~7
Vapor Pressure (mm Hg): N.A.
pH: N.A.
VOC Content (g/l): N.A.

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Flammable Limits: LEL: N.A., UEL: N.A.
NFPA 704: Health – 0, Fire – 1, Reactivity - 0
Extinguishing Media: Water, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: Products of combustion may be toxic. Avoid breathing smoke.
Incompatibility (Materials to Avoid): None known

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended.
Eye Protection: None required when used as intended.
Protective Gloves: None required when used as intended.
Other: For use other than normal customer - operating procedures (such as in bulk toner processing facilities), goggles and respirators may be required. For more information, contact Xerox.

Section VIII - Special Precautions

Handling and Storage: None
Conditions to Avoid: Avoid prolonged inhalation of excessive dust.

Section IX - Spill, Leak, and Disposal Procedures

For Spills or Leakage: Sweep up or vacuum spilled developer.

Waste Disposal Method: This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local waste disposal requirements may be more restrictive. Consult with the appropriate State and Local authorities for specific information.

Section X - Transportation Information

DOT Proper Shipping Name: N.A. (Not Regulated)
ID Number: N.A.
Hazard Classification: N.A.
Packing Group: N.A.