Section I - Product Identification

Trade Names/Synonyms: 2020/2300/2350/2600/3100/LDC/3103/3107/3109/3400/3450 Magnetic Developer
Part No.: 5R129, 5R130, 5R514, 5R515

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product

Ingredients (% by wt.)

<table>
<thead>
<tr>
<th>Carrier (&gt;95%)</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel powder (&gt;95%)</td>
<td>7439-89-6</td>
</tr>
<tr>
<td>Acrylate/styrene polymer (&lt;5%)</td>
<td>25214-28-2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Toner (&lt;5%)</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bisphenol A propylene oxide fumarate polymer (75-80%)</td>
<td>39382-25-7</td>
</tr>
<tr>
<td>Iron oxide (20-25%)</td>
<td>1317-61-9</td>
</tr>
<tr>
<td>Carbon black (&lt;5%)</td>
<td>1333-86-4</td>
</tr>
<tr>
<td>Amorphous silica (&lt;1%)</td>
<td>112945-52-5, 7631-86-9 (TSCA; EINECS)</td>
</tr>
<tr>
<td>Zinc stearate (&lt;1%)</td>
<td>557-05-1</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid

Primary Route of Entry: Inhalation

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

Eyes: Flush with water.

Skin Sensitization: Not a sensitizer.

Skin Irritation: Not an irritant.

Inhalation: Remove from exposure.

Ingestion: None

Additional Information: In a Xerox sponsored chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1mg/m³), the most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the middle exposure level (4 mg/m³) while a slight degree of fibrosis was observed at the highest exposure level (16 mg/m³) in all animals. These findings are attributed to “lung overloading,” a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available Xerox toner to comply with EPA testing protocol and would not function properly in Xerox equipment.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation. The toxicity data noted below is based on test results of similar xerographic materials.

Oral LD₅₀: >5 g/kg (rats) practically non-toxic.

Dermal LD₅₀: >5 g/kg (rabbits) practically non-toxic.

Inhalation LC₅₀: >5 mg/l (rats, 4 hr exposure) practically non-toxic.
>20 mg/l (rats, calculated 1 hr exposure) non-poisonous, DOT.

Eye Irritation: Not an irritant

Skin Sensitization: Not a sensitizer.

Skin Irritation: Not an irritant.

Human Patch: Non-irritating, non-sensitizing

Mutagenicity: No mutagenicity detected in Ames, and SHE/VE Assays.

Carcinogens: None present

Aquatic LC₅₀: >1000 mg/l (fathead minnows) non-toxic.

TLV: 10mg/m³ (total dust)

PEL: 15 mg/m³ (total dust)

STEL: None established

CEILING: None established

XEL¹: 0.4 mg/m³ (respirable dust)

Additional Information: In a Xerox sponsored chronic inhalation study in rats using a special test toner, there were no lung changes at all in the lowest exposure level (1mg/m³), the most relevant level to potential human exposures. A very slight degree of fibrosis was noted in 25% of the animals at the middle exposure level (4 mg/m³) while a slight degree of fibrosis was observed at the highest exposure level (16 mg/m³) in all animals. These findings are attributed to “lung overloading,” a generic response to excessive amounts of any dust retained in the lungs for a prolonged interval. The special test toner was ten times more respirable than commercially available Xerox toner to comply with EPA testing protocol and would not function properly in Xerox equipment.

¹XEL-Xerox Exposure Limit

N.A. - Not Applicable  N.E. - None Established  N.D. - Not Determined

600E57400
Section IV - Physical Data

Appearance/Odor: Black granular / faint odor
Boiling Point: N.A.
Solubility in Water: N.A.
Evaporation Rate: N.A.
Vapor Density (Air=1): N.A.
Volatile N.A.% (Wgt) N.A. % (Vol.)

Softening Range: N.A.
Melting Point: N.A.
Specific Gravity (H₂O=1): ~5
Vapor Pressure (mm Hg): N.A.
pH= 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, foam, dry chemical.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: None.

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

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: If spilled, sweep up or vacuum.
Waste Disposal Method: When disposed, this material is not a hazardous waste according to Federal Regulation 40 CFR 261. However, State and Local requirements may be more restrictive. Therefore, consultation with the appropriate State and Local waste disposal authorities is advised.

Section X - Transportation Information

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

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