XEROX Material Safety Data Sheet

MSDS No: C29
Date: 2/11/92
Revision: 7/17/01

Manufacturer:
Xerox Corporation
Rochester, NY 14644

Telephone #: (800) 828-6571
Safety Information: (800) 828-6571
Health Emergency: (716) 422-2177
Transportation Emergency (Chemtrec): (800) 424-9300

Section I - Product Identification

Trade Names/Synonyms: 4220 MRP/4220 MRP MICR Print Cartridge
Part No.: 13R46, 13R86; RX: 13R51
XCL: 13R514; OEM: 13R414

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>Photoreceptor coating materials:</td>
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<tr>
<td>Polycarbonate polymer (&gt;60%)</td>
<td>25134-45-6</td>
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<tr>
<td>Tertiary diamine (30-40%)</td>
<td>65181-78-4</td>
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<tr>
<td>Nylon polymer (&lt;5%)</td>
<td>126040-34-4</td>
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<tr>
<td>Phthalocyanine (&lt;1%)</td>
<td>574-93-6</td>
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<tr>
<td>Polyvinylbutyral (&lt;1%)</td>
<td>63148-65-2</td>
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<tr>
<td>Fuser Web:</td>
<td></td>
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<tr>
<td>Polydimethylsiloxane</td>
<td>63148-62-9</td>
</tr>
</tbody>
</table>

Section II - Emergency and First Aid

Primary Route of Entry: Skin
Eyes: N.A.
Skin: Wash with soap and water.
Inhalation: N.A.
Ingestion: N.A.

Symptoms of Overexposure:
Skin: None
Eyes: N.A.
Skin: Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.

Additional Information:

Section III - Toxicology and Health Information

The following data provided are for polydimethylsiloxane, a material in the fuser web.

Oral LD50: >35 g/kg (rats) practically non-toxic.
Dermal LD50: >3 g/kg (rabbits) practically non-toxic.
Inhalation LC50: >1.1 g/m³ (rats), practically non-toxic.¹
Eye Irritation: Not an irritant.
Skin Sensitization: Not a sensitizer.
Skin Irritation: Not an irritant.
Human Patch: Non-irritating, non-sensitizing.
Mutagenicity: Negative in Ames, dominant lethal and UDS assays.
Carcinogenicity: Negative in mice
Aquatic: Practically non-toxic

¹Based on testing similar materials. ²XEL-Xerox Exposure Limit

N.A. - Not Applicable  N.E. - None Established  N.D. - Not Determined
Section IV - Physical Data

Appearance/Odor: Solid/Fuser oil has slight odor
Boiling Point: N.A.
Solubility in Water: Insoluble
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): N.A.
Vapor Pressure (mm Hg): N.A.

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Extinguishing Media: Water, carbon dioxide, foam.
Special Fire Fighting Procedures: When in a machine, treat as an electrical fire.
Fire and Explosion Hazards: Exposure to high temperatures can result in melting and pyrolysis. Fumes may cause respiratory symptoms. Delayed effects may occur up to 72 hours.

Flammable Limits LEL: N.A.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: None
Incompatibility (Materials to Avoid): Organic solvents; strong acids/bases.

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended in Xerox equipment.
Eye Protection: None required when used as intended in Xerox equipment.
Protective Gloves: None required when used as intended in Xerox equipment.
Other: None required when used as intended in Xerox equipment.

Section VIII - Special Precautions

Handling and Storage: Under no circumstances should pumicing compounds or mechanical abrasion be used on this photoreceptor.
Conditions to Avoid: Avoid exposure to high temperatures.

Section IX- Spill, Leak, and Disposal Procedures

For Spills or Leakage: None
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.