Material Safety Data Sheet

MSDS No: C33
Date: 7/26/93
Revision: 9/08/04

Manufacturer: Xerox Corporation
Rochester, NY 14644

Telephone #: Safety Information: (800) 828-6571
Health Emergency: (585) 422-2177
Transportation Emergency (Chemtrec): (800) 424-9300

Section I - Product Identification
Trade Names/Synonyms: 4230 MRP/4230 MRP MICR Print Cartridge
Part No.: 13R81, 13R88;
XCI: 13R525; RX:13R82

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.)

Photoreceptor coating materials:
- Polycarbonate polymer (60-70%) 25134-45-6
- Tertiary diamine (30-40%) 65181-78-4
- Nylon polymer (<5%) 126040-34-4
- Polyvinylbutyral (<1%) 63148-65-2
- Acetylacetonezirconium tributoxide (<1%) 85626-36-4
- 3-Aminopropyltrimethoxysilane (<1%) 13822-56-5
- Phthalocyanine (<1%) 574-93-6

Fuser Web:
Polydimethylsiloxane 63148-62-9

Section II - Emergency and First Aid
Primary Route of Entry: Skin
Symptoms of Overexposure: None

Eyes:
N.A.

Skin: Wash with soap and water.
Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.

Inhalation: N.A.

Ingestion: N.A.

Additional Information: None

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.
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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.)

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Flammable Limits
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.

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: Customers are encouraged to participate in environmental conservation by returning the spent unit to Xerox Corporation for recycling using the Cartridge Return Kit.

Section X - Transportation Information

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