

Manufacturer: Xerox Corporation
 Rochester, New York 14644

Emergency Tel. No. : (716) 422-2177
 Information Tel. No.: (800) 828-6571

1052

Section I - Product Identification

Trade Names/Synonyms: 1025/1038 Black Developer

Part No. : SR142, SR500

Chemical Name: None

99974

99974

Ingredients	CAS No.
Carrier (>95%):	
Ferrite Powder : Iron (>70%)	7439-89-6
Copper (5-15%) ¹	7440-50-8
Zinc (3-8%) ¹	7440-66-6
Toner (<5%):	
Styrene/Acrylate Polymer (60-65%)	25213-39-2
Acrylic Resin (20-25%)	26299-47-8
Carbon Black (10-15%)	1333-86-4
Polyolefin (< 10%)	9003-07-0
Amorphous Silica (< 1%)	7631-86-9

Section II - Emergency and First Aid

Eyes: Flush with water.
Skin: Wash with soap and water.
Inhalation: Remove from exposure.
Ingestion: Dilute stomach contents with several glasses of water.
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.
Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.
Additional Information: See Sections V and VII.
 Further information on file in Poisindex.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation.

Oral LD₅₀: >5 g/kg (Rats) practically non-toxic.
 Dermal LD₅₀: >2 g/kg (Rabbits) practically non-toxic.
 Inhalation LC₅₀: >6.6 mg/l (Rats) practically non-toxic.²
 Eye Irritation: Not an irritant
 Skin Sensitization: Not a sensitizer
 Skin Irritation: Not an irritant
 Human Patch: Non-sensitizing, non-irritating
 Mutagenicity: No mutagenicity detected in Ames, Pol A + /A-, WP2 and Micronucleus Assays.
 Carcinogens: None present
 Aquatic LC₅₀: >500 mg/l (fathead minnows) non-toxic

TLV: 10 mg/m³ (Total Dust)
 PEL: 15 mg/m³ (Total Dust)
 5 mg/m³ (Respirable Dust)
 XEL³: 2.5 mg/m³ (Total Dust)
 0.4 mg/m³ (Respirable Dust)

Additional Information: The information noted above is toxicity data for toner. 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 (1 mg/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.

¹This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40CFR Part 372. ²Not tested to the highest dose or concentration ³XEL - Xerox Exposure Limit

Section IV - Physical Data

Appearance/Odor: Black Granular / faint odor

Softening Range: N.A.

Boiling Point: N.A.

Melting Point: N.A.

Solubility in Water: N.A.

Specific Gravity (H₂O = 1): N.A.

Evaporation Rate: N.A.

Vapor Pressure (mm Hg): N.A.

Vapor Density (Air = 1): N.A.

pH = N.A.

Volatile N.A. % (Wgt.) N.A. % (Vol.)

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.

Flammable LEL: N.A.

Limits UEL: N.A.

Extinguishing Media: Water, Foam, Dry Chemical

Special Fire Fighting Procedures: Avoid inhalation of smoke.

Fire and Explosion Hazards: Toner is a combustible powder. When dispersed in air, it can form explosive mixtures.

Section VI - Reactivity Data

Stability:

Unstable

Stable

X

Hazardous

Polymerization:

May Occur

Will Not Occur

X

Hazardous Decomposition Products: Products of combustion are toxic. Avoid breathing smoke.

Incompatibility (Materials to Avoid): None

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: 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: Do not incinerate. No special disposal procedures. Insure conformity with federal, state and local regulations.

Section X - Transportation Information

DOT Proper Shipping Name: Not Regulated

Hazard Classification: N.A.

ID Number: N.A.