

MATERIALS SAFETY DATA

This Materials Safety Data Sheet is subject to revision. For the latest version, call Safety Information at 1-800-828-6571.

XEROX

Material Safety Data Sheet

MSDS No.: A-0069
Date: 2/23/88
Revision: 3/23/95

Manufacturer:

Xerox Corporation
Rochester, N.Y. 14644

Telephone #(s): Safety Information: (800) 828-6571
Health Emergency: (716) 422-2177
Transportation Emergency: (716) 422-1230

Section I - Product Identification

Trade Names/Synonyms: 5008 Series/5009 Series/5205/5210/
5220/5222/5240/5260/ 5280/5307/
5308/5309/5310 Black Dry Ink Cartridge

Part No.: 9R89582, 6R333, 6R343,
6R359, 6R90170, 8R3990
1R97;
XCL: 6R578, 6R804,
6R731, 6R805

Chemical Name:

None

WHMIS Status:

This is not a controlled product.

Ingredients

Iron powder (50-60%)
Styrene / acrylate copolymer (40-50%)
Carbon black (< 5%)
C.I. Solvent Black 7 (< 2%)
Difluoroethylene polymer (< 1%)

CAS No.

7439-89-6
25767-47-9
1333-86-4
8005-02-5
24937-79-9

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.

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: > 5 g/kg (rabbits) practically non-toxic.
Inhalation LC₅₀: > 5 mg/l (rats, 4 hr exposure) practically non-toxic.
Eye Irritation: > 20 mg/l (rats, calculated 1 hr exposure).
Skin Sensitization: Not an irritant.
Skin Irritation: Not a sensitizer.
Human Patch: Not an irritant.
Mutagenicity: Non-irritating, non-sensitizing.
Carcinogens: No mutagenicity detected in Ames, WP₂, Yeast D7, and Mouse Lymphoma Assays.
Aquatic LC₅₀: None present.
N.D.

TLV: 10 mg/m³ (total dust)
PEL: 15 mg/m³ (total dust)
5 mg/m³ (respirable dust)
STEL: N.E.
Ceiling: N.E.
XEL²: 2.5 mg/m³ (total dust)
0.4 mg/m³ (respirable 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-fourth 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 any 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.

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

Form 5571 (10-88) STAR

N.A. - Not Applicable N.E. - None Established N.D. - Not Determined 60065690

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Section IV - Physical Data

Appearance/Odor: Black powder / faint odor
Boiling Point: N.A.
Softening Range: 85 C to 100 C
Solubility in Water: Negligible
Melting Point: N.A.
Evaporation Rate: N.A.
Specific Gravity (H₂O = 1): > 1
Vapor Density (Air = 1): N.A.
Vapor Pressure (mm Hg): N.A.
pH: N.A.
Volatile: N.A. % (Wgt.)/N.A. % (Vol.)

Section V - Fire and Explosion Data

Flash Point (Method Used): N.D.
Extinguishing Media: Water, dry chemical, carbon dioxide or foam.
Flammable Limits: N.A.
UEL: N.A.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: Toner is a combustible powder. Like most organic materials in powder form, 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 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 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: Use with adequate ventilation.
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 toner and carefully transfer into a sealable waste container. Sweep slowly to minimize generation of dust during clean-up. If a vacuum is used, the motor must be rated as dust tight. A conductive hose bonded to the machine should be used to reduce static buildup (See Section V). Residue can be removed with soap and cold water. Garments may be washed or dry cleaned, after removal of loose toner.
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) ID Number: N.A.
Hazard Classification: N.A. Packing Group: N.A.

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further discussed and re-proposed after a public process. The rest of the proposal should go forward as soon as possible.

We thank you for your support of a workable, effective right to know program. We believe that our suggestion changes will relieve the regulated community of some burden while still protecting and informing the community with its right to know.

Sincerely,

Jane Nogaki
Jane Nogaki, Co-chair

Eric Scherzer
Eric Scherzer, Co-chair

Right to Know and Act Coalition

and the following co-signers:

Peter Carbone, Asst. Training Officer
Camden City Fire Department

Amy Goldsmith, Director
NJ Environmental Federation

Phyllis Salowe-Kay, Director
NJ Citizen Action

Lois Cuccinello, Local 32
OPEIU, AFL-CIO

Wendy Benchley, Princeton Committee
NJ Environmental Federation

Bob Harsell
Arthur Kill Watershed Assn.

Mary Lamielle, Director
National Center for Environmental Health Strategies

Eileen Senn
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Tina O'Such
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CC Dalton
Sinding