

OH OF 0 PE	CHEMICAL NAME Dry Ink/Toner
	MANUFACTURER Xerox
	DATE 12/22/06

2004

EROX

Material Safety Data Sheet

Lab Safety Supply Inc.

Reorder No. 17135

 Date: May 27, 1987
 Revision: Dec. 14, 1988

 Manufacturer: Xerox Corporation
 Rochester, New York 14644
 Emergency Tel. No.: (716) 422-2177
 Information Tel. No.: (800) 828-6571

Section I - Product Identification

 Trade Names/Synonyms: 5090 Dry Ink
 Part No.: 6R206, 6R516 (XCI), 6R90100 (RX)

Chemical Name: None

Ingredients	CAS No.
Styrene/Butadiene Copolymer (75-80%)	9003-55-8
Iron Oxide (15-20%)	1309-37-1
Carbon Black (<5%)	1333-86-4
Quaternary Ammonium Salt (<2%)	3843-16-1

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 LD ₅₀ : > 10 g/kg (Rats) practically non-toxic.	TLV: 10 mg/m ³ (Total Dust)
Dermal LD ₅₀ : > 2 g/kg (Rabbits) practically non-toxic.	
Inhalation LC ₅₀ : > 5 mg/l (Rats) practically non-toxic. ¹	PEL: 15 mg/m ³ (Total Dust)
Eye Irritation: Not an irritant	5 mg/m ³ (Respirable Dust)
Skin Sensitization: Not a sensitizer	
Skin Irritation: Not an irritant	
Human Patch: Non-irritating, non-sensitizing	XEL ² : 2.5 mg/m ³ (Total Dust)
Mutagenicity: No mutagenicity detected in Ames, Pol A +/A - in vitro CHO, and CHO/HGPRT.	0.4 mg/m ³ (Respirable Dust)
Carcinogens: None present	
Aquatic LC ₅₀ : > 500 mg/l (Fathead Minnows) non-toxic	

Additional Information: Some of the information reported above is test data of similar products. 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.

¹Not tested to the highest dose or concentration

²XEL - Xerox Exposure Limit

Trade Name: 5090 Dry Ink

MSDS No.: 0058

Section IV - Physical Data

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

Softening Range: 85°C to 100°C
Melting Point: N.A.
Specific Gravity (H₂O = 1): 1
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.

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: Loose toner can be removed using a vacuum cleaner. Residue can be removed with soap and cold water. After removal of loose toner, garments may be washed or dry cleaned.

Waste Disposal Method: Do not incinerate. No special techniques beyond normal practice. Insure conformity with federal, state or local regulations.

Section X - Transportation Information

DOT Proper Shipping Name: Not Regulated

Hazard Classification: N.A.

ID Number: N.A.