99957 1 of 2

XEROX Material Safety Data Sheet

MSDS No.: 0042
Date: Oct. 9, 1984
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Manufacturer: Xerox Corporation
Rochester, N.Y., 14644

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

Section I - Product Identification

Trade Names/Synonyms: 1025/1038 Black Dry Ink Plus

Part No. : 6R121, 6R122, 6R133, 6R500(XCI), 6R90099(RX), 6R90152(RX)

Chemical Name: Thermoplastic powder

Ingredients	CAS No.
Styrene/Acrylate Polymer (60-65%)	25213-39-2
Acrylic Resin (20-25%)	----------
Carbon Black (10-15%)	1333-86-4
Polyolefin (<10%)	9003-07-0
Amorphous Silica (<1%)	7631-86-9

99957

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}: >5 g/kg (Rats) practically non-toxic.
Dermal LD_{50}: >2 g/kg (Rabbits) practically non-toxic.
Inhalation LC_{50}: >6.6 mg/1 (Rats) practically non-toxic.[1]
Eye Irritation: Not an irritant
Skin Sensitization: Not a sensitizer
Skin Irritation: Not an irritant
Human Patch: Non-sensitizing, non-irritating

TLV: 10 mg/m³ (Total Dust)
PEL: 15 mg/m³ (Total Dust)
5 mg/m³ (Respirable Dust)
XEL[2]: 2.5 mg/m³ (Total Dust)
0.4 mg/m³ (Respirable Dust)

Mutagenicity: No mutagenicity detected in Ames, Pol A + /A-, WP_2 and Micronucleus Assays.
Carcinogens: None present
Aquatic LC_{50}: >500 mg/l (Fathead Minnows) non-toxic
Additional Information:
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.

[1]Not tested to the highest dose or concentration
[2]XEL - Xerox Exposure Limit

Trade Name: 1025/ 1038 Black Dry Ink Plus 99957 MSDS No.: 0042

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 (H_2O = 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:			Hazardous Polymerization:		
	Unstable			May Occur	
	Stable	X		Will Not Occur	X

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

Incompatability (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 in 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 and local regulations.

Section X - Transportation Information

DOT Proper Shipping Name: Not Regulated
Hazard Classification: N.A. ID Number: N.A.