XEROX **Material Safety Data Sheet**

MSDS No: A-0129
Date: 1/12/94
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Distributor: Xerox Corporation
Rochester, NY 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: 4900/4915/4920/4925 Color Laser Printer Cyan Dry Ink

Part No.: WH: 6R748, 6R832, RX: 6R90222, 6R90238

Chemical Name: None

WHMIS Status: This is not a WHMIS controlled product

Ingredients (% by wt.)	**CAS No.**
Trade Secret[1]	Trade Secret[1]

Section II - Emergency and First Aid

Primary Route of Entry:
Inhalation

Eyes:
Flush with water.

Skin:
Wash with soap and water.

Inhalation:
Remove from exposure.

Ingestion:
Dilute stomach contents with several glasses of water.

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:
None.

Section III - Toxicology and Health Information

The toxicology of this toner has been evaluated by Xerox Corporation. Data presented in this section is based on the test results of this toner or similar reprographic toners.

Oral LD_{50}:	>5 g/kg (rats)
Dermal LD_{50}:	>5g/kg (rabbits)
Inhalation LC_{50}:	>5 mg/l (rats; 4hr exposure)
	>20 mg/l (rats; calculated 1 hr exposure)
Eye Irritation:	Non-irritating (rabbits)
Skin Irritation:	Non-irritating (rabbits; human patch)
Skin Sensitization:	Non-sensitizing (guinea pigs; human patch)
Mutagenicity:	No mutagenicity detected in Ames Assay
Carcinogens:	None known
Aquatic LC_{50}:	>1000 mg/l (fathead minnows, rainbow trout)

TLV:	10mg/m^3 (total dust)
PEL:	15 mg/m^3 (total dust)
	5 mg/m^3 (respirable dust)
STEL:	N.E.
Ceiling:	N.E.
XEL[2]:	2.5 mg/m^3 (total dust)
	0.4 mg/m^3 (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 25% 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 (16 mg/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.

[1]The following New Jersey Trade Secret Registration Numbers cover the entire formulation for the respective products as listed in parenthesis: 11555(4900/4915) and 11655 (4920/4925). [2]XEL-Xerox Exposure Limit.
N.A. - Not Applicable N.E. -None Established N.D. -Not Determined

Section IV - Physical Data

Appearance/Odor:	cyan powder/ slight	**Softening Range:**	43-60 °C (110-140 °F)
Boiling Point:	N.A.	**Melting Point:**	N.D.
Solubility in Water:	Insoluble	**Specific Gravity (H_2O=1):**	~1
Evaporation Rate:	N.A.	**Vapor Pressure (mm Hg):**	N.A.
Vapor Density (Air=1):	N.A.	**pH:**	N.A.
Volatile:	N.A.% (Wt.) N.A. % (Vol.)		

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Flammable Limits: LEL: N.D. UEL: N.D.
NFPA 704: Health – 0, Fire – 3, Reactivity - 0
Extinguishing Media: Water spray, dry chemical, carbon dioxide or foam.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: Dry ink is a combustible powder. Like most organic materials in powder form, it can exhibit explosive properties when dispersed in air.

Section VI -Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: CO, CO_2, NO_x, Phenol derivatives
Incompatibility (Materials to Avoid): Strong acids or alkaline

Section VII - Special Protection Information

Respiratory Protection: None required when used as intended.
Eye Protection: None required when used as intended.
Protective Gloves: None required when used as intended.
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: Wear protective gloves for prolonged skin contact. Wash skin thoroughly in case of skin contact.
Conditions to Avoid: Avoid prolonged inhalation of excessive dust.

Section IX- Spill, Leak, and Disposal Procedures

For Spills or Leakage: Respirator recommended. Sweep up or vacuum spilled toner and carefully transfer into 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 dry ink.

Waste Disposal Method: This material is not a hazardous waste according to Federal Regulation 40 CFR 261. State and Local waste disposal requirements may be more restrictive. Consult with the appropriate State and Local authorities for additional information. Incinerate only in a closed container.

Section X - Transportation Information

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