Section I - Product Identification

Trade Names/Synonyms: XEROX 4900/4915 Color Laser Printer
Yellow Developer Cartridge
Part No.: 5R330; RX: 5R90195

Chemical Name: None
WHMIS Status: This is not a WHMIS controlled product.

Ingredients
Trade Secret\(^1\) Trade Secret\(^1\) Trade Secret\(^1\)

Section II - Emergency and First Aid

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.

Eyes: Flush with water.

Medical Conditions Generally Aggravated by Exposure: None when used as described by product literature.

Skin: Wash with soap and water.

Additional Information: None

Inhalation: Remove from exposure.

Ingestion: Dilute stomach contents with several glasses of water.

Section III - Toxicology and Health Information

This material has been evaluated by Xerox Corporation. The information below is toxicity data for the dry ink.

Oral LD\(_{50}\): >5000 mg/kg (rats) practically non-toxic. TLV: 10 mg/m\(^3\) (total dust)
Dermal LD\(_{50}\): Not determined PEL: 15 mg/m\(^3\) (total dust)
Inhalation LC\(_{50}\): >5.40 mg/l (rats) practically non-toxic. 5 mg/m\(^3\) (respirable dust)
>22.0 mg/l (calculated 1 hr exposure) non-poisonous, STEL: None established
DOT.

Eye Irritation: Not an irritant. Ceiling: None established
Skin Sensitization: Not a sensitizer. XEL\(^3\): 2.5 mg/m\(^3\) (total dust)
Skin Irritation: Not an irritant. 0.4 mg/m\(^3\) (respirable dust)

Human Patch: Non-irritating / non-sensitizing.
Mutagenicity: Negative in the Ames Assay.
Carcinogens: None present
Aquatic LC\(_{50}\): >1,000 mg/l (rainbow trout)\(2\)

Additional Information: The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1mg/m\(^3\)) 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/m\(^3\)) exposure level, while a slight degree of fibrosis was noted in all the animals at the highest (16 mg/m\(^3\)) 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 repirable than commercially available Xerox toner, and would not be functionally suitable for Xerox equipment.

Notes: \(^1\)The New Jersey Trade Secret Registration Number 11561, covers the entire formulation for the product(s) specified by this sheet. \(^2\)Based on testing of waste dry ink mixture. \(^3\)XEL-Xerox Exposure Limit

N.A. - Not Applicable  N.E. -None Established  N.D. -Not Determined  600E77650
Section IV - Physical Data

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

Softening Range: N.D.
Melting Point: 1500°C
Specific Gravity (H₂O=1): 5
Vapor Pressure (mm Hg): N.A.

Section V - Fire and Explosion Data

Flash Point (Method Used): N.A.
Extinguishing Media: Water spray, dry chemical, 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, when dispersed in air, it can form explosive mixtures.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
Hazardous Decomposition Products: CO, CO₂, NOₓ, Phenol derivatives.
Incompatibility (Materials to Avoid): Strong acid 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: If spilled, sweep up or vacuum. 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 however, be more restrictive. Consult with the appropriate State and Local authorities for specific information. Incinerate only in a closed container.

Section X - Transportation Information

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

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