Section I - Product Identification

Trade Names/Synonyms: DocuPrint C55/DocuPrint C55 XL/ DocuPrint NC60 Yellow Developer
Part No.: WH: 5R596, 5R620
XL: 5R90216, 5R90227

Chemical Name: None

WHMIS Statue: This is not a WHMIS controlled product.

Ingredients (% by wt.)
- Ferrite powder (90-100%) 66402-68-4
- Polyester Resin (5-10%) 117581-13-2
- Yellow pigment (0.1-1%) 4531-49-1

Section II - Emergency and First Aid

Primary Route of Entry: 
- Inhalation: Minimal respiratory tract irritation may occur as with exposure to large amounts of any non-toxic dust.
- Eyes: Flush with water.
- Skin: Wash with soap and water.

Additional Information:
- Ingestion: None
- Inhalation: Remove from exposure.
- Additional Information: Dilute stomach contents with several glasses of water.

Section III - Toxicology and Health Information

The toxicology of this developer has been evaluated by Xerox Corporation. Data presented in this section is based on the test results of the toner or similar reprographic toners. The major component is not included due to its toxicological inertness and large particle size.

Oral LD50: >5 g/kg (rats)
Dermal LD50: >5 g/kg (rabbits)
Inhalation LC50: >5 mg/l (rats, 4 hr exposure)
- >20 mg/l (calculated 1 hr exposure)

Eye Irritation: Non-irritating (rabbits)
Skin Sensitization: Non-sensitizing (guinea pigs; human patch)
Skin Irritation: Non-irritating (rabbits; human patch)
Mutagenicity: None known.
Carcinogens: None.
Aquatic LC50: >1000 mg/l (fathead minnows, rainbow trout)

Symptoms of Overexposure:
TLV: 10 mg/m³ (total dust)
PEL: 15 mg/m³ (total dust)
STEL: 5 mg/m³ (respirable dust)
XEL: 2.5 mg/m³ (total dust)
Ceiling: 0.4 mg/m³ (respirable dust)

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

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 (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.

XEL - Xerox Exposure Limit
N.A. - Not Applicable N.E. - None Established N.D. - Not Determined

602E32980
XEROX  Trade Name: DocuPrint C55/DocuPrint C55 XL/ DocuPrint NC60  Yellow Developer  MSDS No.: B-0304

Section IV - Physical Data

Appearance/Odor: Yellow granular / slight  Softening Range: >780 °C
Boiling Point: N.A.  Melting Point: N.A.
Solubility in Water: Insoluble  Specific Gravity (H₂O=1): approx. 5
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.A., UEL: N.A.
NFPA 704: N.D.
Extinguishing Media: Water, 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: None.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will Not Occur
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.
Eye Protection: None required when used as intended.
Protective Gloves: None required when used as intended.
Other: None

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: Sweep up or vacuum spill.
Waste Disposal Method: This material is not a hazardous waste according to Federal Regulation 40 CFR 261 when disposed. State and Local requirements may be more restrictive. Consult with the appropriate State and Local waste disposal authorities for additional information.

Section X - Transportation Information

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