XEROX Material Safety Data Sheet  
MSDS No: B-0270  
Date: 6/8/92  
Revision: 1/24/05  

Manufacturer: Xerox Corporation  
Rochester, NY 14644  

Telephone #(s):  
Safety Information: (800) 828-6571  
Health Emergency: (585) 422-2177  
Transportation Emergency (Chemtrec): (800) 424-9300  

Section I - Product Identification

Trade Names/Synonyms: 7041 / 7042, Document Work Centre Pro 635/645/657 Developer  
Part No.: 94K02050  
Chemical Name: None  
WHMIS Status: This is not a WHMIS controlled product.  

Ingredients (% by wt.)  
\begin{align*}  
\text{Cu-Zn-Mg ferrite} & \text{(85-95\%)} & \text{CAS No.} & 66402-68-4 \\
\text{Iron oxide} & \text{(5-7\%)} & \text{CAS No.} & 1317-61-9 \\
\text{Styrene/acrylate Polymer} & \text{(4-5\%)} & \text{CAS No.} & 25036-16-2 
\end{align*}

Section II - Emergency and First Aid

Primary Route of Entry: Inhalation  
Eyes: Flush immediately with water.  
Skin: Wash with soap and water.  
Inhalation: Remove from exposure.  
Ingestion: Administer several glasses of water to dilute in the stomach.  

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

This material has been evaluated by Xerox Corporation. The toxicity data noted below is for toner only and based on test results of similar reprographic materials.  

Oral LD\textsubscript{50}: $>5 \text{mg/kg, (rats) practically non-toxic.}$  
Dermal LD\textsubscript{50}: $>5 \text{g/kg, (rats) practically non-toxic.}$  
Inhalation LC\textsubscript{50}: $>5 \text{mg/l (rats, 4hr. exposure) practically non-toxic.}$  
$>20 \text{mg/l (rats, calculated 1 hr exposure) non-poisonous DOT}$  

Eye Irritation: Not an irritant.  
Skin Sensitization: Not a sensitizer.  
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Human Patch: Non-irritating/non-sensitizing.  
Mutagenicity: No evidence of mutagenicity detected in Ames assay.  
Carcinogens: None present  
Aquatic LC\textsubscript{50}: $>1000 \text{mg/l (fathead minnows/rainbow trout) non-toxic.}$  

TLV: $10 \text{mg/m}^3$ (total dust)  
PEL: $15 \text{mg/m}^3$ (total dust)  
STEL: $5 \text{mg/m}^3$ (respirable dust)  
XEL\textsuperscript{2}: $2.5 \text{mg/m}^3$ (total dust)  
Ceiling: N.E.  

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

\textsuperscript{1}This product contains a toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.  \textsuperscript{2}XEL - Xerox Exposure Limit  
N.A. - Not Applicable  N.E. -None Established  N.D. -Not Determined  

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Section IV - Physical Data

Appearance/Odor: Black powder
Softening Range: 43.3 to 60.0 °C (110 to 140 °F)
Boiling Point: N.A.
Melting Point: N.A.
Solubility in Water: insoluble
Specific Gravity (H₂O=1): ~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.D.
NFPA 704: Health - 0, Fire - 1, Reactivity - 0
Extinguishing Media: Water spray, foam, dry powder.
Special Fire Fighting Procedures: Avoid inhalation of smoke. Wear protective clothing and self-contained breathing apparatus.
Fire and Explosion Hazards: Toner is a combustible powder. Like most organic materials in powder form, it can form explosive mixtures when dispersed in air.

Section VI - Reactivity Data

Stability: Stable
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: CO, CO₂ and other toxic products of combustion. Avoid breathing smoke.
Incompatibility (Materials to Avoid): None known.

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: If spilled, sweep up or vacuum.
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: Not Regulated
ID Number: N.A.
Hazard Classification: N.A.
Packing Group: N.A.

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