Section I Product Identification

Trade Names/Synonyms: TC 200 Developer

Chemical Name: None

WHMIS status: This is not a WHMIS controlled product

Ingredients (% by wt.)  
Carrier (>99%): Spherical steel beads (>99%)

Toner (<1%): Styrene/acrylate polymer (>90%)  Carbon black (<10%)

CAS No.: 7439-89-6  25213-39-2  1333-86-4

Section II Emergency and First Aid

Primary Route of Entry:
Inhalation: Minimal respiratory tract irritation may occur as with eyes: exposure to large amounts of any non-toxic dust. Flush with water.
skin: Medical Conditions Generally Aggravated by Exposure: Wash with soap and water. None when used as described by product literature.

Inhalation: Remove from exposure.
Ingestion: Additional Information:
Dilute stomach contents with several glasses of water. See Sections V and VII.

Section III Toxicology and Health Information

This material has been evaluated by Xerox Corporation. The information noted below is toxicity data for toner.

Oral LD₅₀: >15.38 g/kg (rats) practically non-toxic.  
Dermal LD₅₀: >3 g/kg (rabbits) practically non-toxic.  
Inhalation LC₅₀: >9.85 mg/l (rats, 4 hr exposure) practically non-toxic. ¹ >39.4 mg/l (calculated 1 hr exposure) non-poisonous, DOT. ¹

Eye Irritation: Not an irritant  
Skin Sensitization: Not a sensitizer.  
Skin Irritation: Not an irritant.  
Human Patch: Non-irritating, non-sensitizing  
Mutagenicity: None mutagenicity detected in Ames, WP₂, Micronucleus and UDS Assays.  
Carcinogens: None present  
Aquatic LC₅₀: None available

Additional Information: The results obtained from a Xerox sponsored, Chronic Toner Inhalation Study, demonstrated no lung change in rats for the lowest (1 mg/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 (4 mg/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.

¹Based on testing similar xerographic toner materials ²XEL-Xerox Exposure Limit
N.A. -Not Applicable  N.E. -None Established  N.D. -Not Determined
Section IV Physical Data

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

Section V Fire and Explosion Data

Flash Point (Method Used): N.A.
Extinguishing Media: Water, foam, dry chemical.
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

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.

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: When disposed, this material is not a hazardous waste according to Federal Regulation 40 CFR 261. However, State and Local requirements may be more restrictive. Therefore, consultation with the appropriate State and Local waste disposal authorities is advised.

Section X Transportation Information

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