Section I - Product Identification

Trade Names/Synonyms: Type 22 (Reversal) Developer
Chemical Name: None
WHMIS Status: This is not a WHMIS controlled product.

Ingredients (% by wt.):  
Carrier (>99%):  
- Coated glass beads (80-85%)  65997-17-3
- Melamine-formaldehyde resin (10-15%)  9003-08-1
- Polyvinyl chloride/Polyvinyl acetate copolymer (<10%)  9003-22-9
- Phenol-formaldehyde resin (<5%)  9003-35-4

Toner (<1%):  
- Vinyltoluene-butadiene resin (85-90%)  9052-61-3
- Carbon black (10-15%)  1333-86-4

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:
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 LD$_{50}$:  
>10 g/kg (rats) practically non-toxic.

Dermal LD$_{50}$:  
>2 g/kg (rabbits) practically non-toxic.

Inhalation LC$_{50}$:  
>5 mg/l (rats, 4 hr exposure) practically non-toxic.  
>20 mg/l (calculated 1 hr exposure) non-poisonous, DOT.  

Eye Irritation:  
Not an irritant

Skin Sensitization:  
Not a sensitizer.
Section IV - Physical Data

**Appearance/Odor:** Black granular / faint odor  
**Softening Range:** N.A.  
**Boiling Point:** N.A.  
**Melting Point:** N.A.  
**Solubility in Water:** N.A.  
**Specific Gravity (H₂O=1):** ~3  
**Evaporation Rate:** N.A.  
**Vapor Pressure (mm Hg):** N.A.  
**Vapor Density (Air=1):** N.A.  
**pH:** N.A.  
**Volatile:** N.A. % (Wgt) N.A. % (Vol.)

Section V - Fire and Explosion Data

**Flash Point (Method Used):** N.A.  
**Flammable LEL:** N.A.  
**Limits UEL:** 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.

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.