Konica Business Machines U.S.A., Inc. (Importer)  Emergency Phone Number: 1-800-424-9300
500 Day Hill Rd.  Windsor, Ct.  06095
Telephone:  (203) 683-2222 (ext. 2093) for
Safety and Environmental Information
Revised:  June 12, 1987

SECTION 1. PRODUCT IDENTIFICATION

Trade Name/Synonyms            Product Codes      Sizes
ROYAL DEVELOPER 115/122        PC/UA 943-646   1.1kg
ROYAL DEVELOPER 130/130R       PC/UA 943-940   900g

SECTION 2. MANUFACTURER

Konishiroku Photo Ind. Co., Ltd.
2970 Ishikawa-cho,
Hachioji-shi, Tokyo 192,
Japan

SECTION 3. INGREDIENTS

Name of Predominant Components  CAS No.  Contents (w%)  PEL  TLV

CARRIER                        -------        92-96  N.A.    N.A.
Iron                           7439-89-6    -------      -------  -------  -------
Iron Oxide                     1317-61-9    -------      -------  -------  -------
TONER                          -------        4-8    -------  -------

* See MSDS of ROYAL TONER 115/122 AND 130/130R

SECTION 4. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance and Odor:  Grayish, granular and odorless.
Boiling Point:   N.A.   Melting Point:   N.A.
Softening Range:  N.A.   Specific Gravity (H2O=1):  7.5
Vapor Pressure:  N.A.   Vapor Density (Air=1):  N.A.
Evaporation Rate (Butyl acetate=1):  N.A.
Solubility in water:  Negligible.   PH:  N.A.

SECTION 5. FIRE AND EXPLOSION DATA

Flash Point (Method used):  N.A.
Extinguishing Media:  Water, foam, carbon dioxide or dry chemical.
Special Fire Fighting Procedures:  When in a machine, treat as electrical
fire and do not use water or foam.
Unusual Fire and Explosion Hazard:  Developer is not a combustible powder.
Flammable Limits:  N.A.

SECTION 6. REACTIVITY DATA

Stability:  Stable (except above 200°C).
Hazardous Polymerization:  Will not occur.
Hazardous Decomposition Products:  Combustion will produce carbon dioxide
and carbon monoxide.  Avoid breathing smoke.
Incompatibility (materials to avoid):  None.
SECTION 7. TOXICOLOGY AND HEALTH INFORMATION

The product has been extensively tested and evaluated by Konishiroku Photo Ind. Co., Ltd. When used as intended by the consumer in Konica/Royal copiers it does not represent any known health or safety hazard.

Acute Oral (mouse): LD50 > 5,000mg/kg.
Acute Inhalation (rat): LC50 > 3,029mg/m³ for 4 hrs. (This value is highest attainable with aerosol generation apparatus containing this material).
Eye Irritation (rabbit): Non-irritating.
Skin Irritation (rabbit): Non-irritating.
Carcinogenicity: Not listed by NTP, IARC or OSHA
Mutagenicity (Ames): Non-mutagenic
Primary Route of Entry: N.A.
Symptoms of Overexposure: N.A.
Medical Conditions Generally Aggravated by Exposure: None currently determined.

SECTION 8. EMERGENCY AND FIRST AID

Ingestion: Dilute stomach contents with several glasses of water.
Inhalation: N.A.
Eye: Flush with water for 15 minutes Consult a physician.
Skin: Wash with soap and water.
Additional Information: See SECTION 5 and 9.

SECTION 9. SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required when used as intended in KONICA COPIER.
Eye Protection: None required when used as intended in KONICA COPIER.
Protection Gloves: None required by operator when used as intended in KONICA COPIER.
Other Protective Equipment: None required when used as intended in KONICA COPIER.
Other: For use other than in normal operating procedures, goggles, and respirators may be required.

SECTION 10. SPECIAL PRECAUTIONS

Handling and Storage: Keep from contact with oxidizing materials. Keep out of reach of children.

SECTION 11. SPILL, LEAK, AND DISPOSAL PROCEDURES

For Spills or Leakage: If spilled, sweep up or vacuum.
Waste Disposal Method: No special disposal procedures required. Insure conformity with federal, state and local regulations.

SECTION 12. TRANSPORTATION INFORMATION

DOT: Proper shipping name: Not regulated.
Hazard Classification: N.A.
ID Number: N.A.

Prepared by the Security and Safety Department
Konica Business Machines
500 Day Hill Road
Windsor, CT 06095