
Section I. General Information

MSDS Identifier Code

Supplier ID: Ricoh Product Code: 141MIU

001003

Identity: Ricoh FT 4000 Developer

Manufacturer's Name and Address:

Ricoh Corporation
5 Dedrick Place
West Caldwell, NJ 07006

Emergency Telephone Number: (800) 336-6737

Telephone Number for Information: (201) 882-2000, (800) 336-6737

Synonyms & Common Names: Ricoh FT 4000 Developer

Uses: FT 3020/50/60, FT 3320, FT 4030/60/65/85, FT 4410/20/30/80, FT 5010, FT 5540/5570, FT 6080/85, FT6620, FT 7060, FT 7770, FT 5520

Chemical Formula: Carbon black, styrene acrylic resin, dye, ferrite

Registry numbers

CAS Number: 0-00-0

RTECS Number: N/A

Date Prepared: 02/23/89 Filed/Prepared By: Kristina Sage

Section II. Hazardous Ingredients/Identity Information

Composition

Component	%	CAS #	OSHA Pel	ACGIH TLV
Carbon black	<3%	1333-86-4	N/A	3.5mg/m ³
*Styrene Acrylic Resin (CAS# Confidential)	<3%	0-00-0	N/A	N/A
*Dye (CAS# Confidential)	<3%	0-00-0	N/A	N/A
*Ferrite Powder (CAS# Confidential)	97%	0-00-0	N/A	N/A

Carbon black is listed on the IARC Monograph and the Massachusetts Substance List.

None of the other ingredients are listed on the latest NTP Annual Report, IARC Monograph or OSHA Listing as carcinogens.

None of the other ingredients are listed on the Massachusetts Substance List.

*Non-hazardous

THIS PRODUCT IS NON-HAZARDOUS

Exposure Limits (TLV/PEL)

OSHA: N/A
NIOSH: N/A
ACGIH: See Section II
State: N/A
Other: N/A

Section III. Physical/Chemical Characteristics

Boiling Point: N/A
Vapor Pressure: N/A
Melting Point: 80C or higher
Evaporation Rate (n-BuAc=1): N/A
Specific Gravity: 1.97
% Volatile by Volume: N/A
Vapor Density (Air=1): N/A

Solubility in Water: Negligible: Less than 0.1%

Appearance and Odor: Black powder, with slight plastic odor

Section IV. Fire and Explosion Hazard Data

Flash Point and Method: N/A

Explosive Limits: LEL N/A UEL N/A
Comments: N/A

Extinguishing Media: CO2, dry chemicals, foam or water

Special Fire-Fighting Procedures: No special fire-fighting procedure is necessary.

Unusual Fire and Explosion Hazards: Will not occur

Section V. Reactivity Data

Stability: Stable
Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition or Byproducts: Carbon monoxide and other decomposition products in the case of combustion.

Hazardous Polymerization: Will not Occur
Conditions to Avoid: None

Section VI. Health and Hazard Data

Routes of Entry: Eyes, inhalation, ingestion.

Health Hazards of Short-Term exposure (Acute)

Eyes: May cause temporary eye discomfort.

Skin: May cause slight irritation on prolonged and repeated contact with skin.

Inhalation: Gasping

Ingestion: Greater than 5g/kg bodyweight, practically non-toxic.

Health Hazards of Long-Term exposure (Chronic): N/A

Carcinogenicity: This product contains carbon black. The IARC has evaluated the evidence for the carcinogenicity of carbon black as inadequate to determine a carcinogenic risk for humans. Carbon black is not listed on the latest NTP Annual Report or OSHA Listing as a carcinogen.

NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures

First Aid

Eyes: Try to remove or flush with eye drops. If unsuccessful, get medical attention.

Skin: Wash thoroughly with soap and water.

Inhalation: Remove from exposure

Ingestion: Dilute stomach contents with several glasses of water.

Additional Information: Ames test result: Negative

Section VII. Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: If spilled, sweep up using an approved toner vacuum cleaner with a .5 micron filter such as the Atrix AAA Toner Vacuum Cleaner (Ricoh EDP Code 342MIU). Use of a vacuum cleaner not rated for toner particulate could be a potential fire hazard and/or result in personal injury. Remove residue with soap and water.

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MATERIAL SAFETY DATA SHEET

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Waste Disposal Method: Used developer should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Disposal regulations vary from locality to locality, therefore, consult with your local office of the EPA to determine proper method of disposal. Do not incinerate.

Precautions to Be Taken in Handling and Storing: Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work periods. Keep out of reach of children.

Other Precautions: N/A

Section VIII. Control Measures

Respiratory Protection: None required under normal conditions of use.

Ventilation

Local Exhaust: None required under normal conditions of use.

Special: None

Mechanical (general): Adequate ventilation

Other: None

Protective Gloves: None required under normal conditions of use.

Eye Protection: None required under normal conditions of use.

Other Protective Clothing or Equipment: None required under normal conditions of use.

Work and Hygienic Practices: Cleanse skin thoroughly after contact, before breaks and meals, and at the end of work periods.