

# MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD

Office Equipment Division  
 9-1, Hiraide Kogyo Danchi, Utsunomiya City, Tochigi Pref., 321-JAPAN  
 Phone No. Japan 0286-63-3221. Fax No. Japan 0286-62-8393

11

## Material Safety Data Sheet

FP-1530/1510/1307/1540

(This Form is Similar to U.S. Labor Dept. Form Approved OMB No. 1218-0072)

SECTION I

Date : May 20, 1991

Product Name <b>Panasonic Developer (FQ-Z120)</b>	Chemical Name & Synonyms <b>Electrostatic Developer</b>
Product Class <b>Inert resinated Black Powder</b>	Emergency Phone No. <b>Matsushita Electric Industrial CO., Ltd. Japan 0286-63-3221</b>

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components		( L : listed NL : not listed )				
INGREDIENTS	CAS #	X	LISTED AS A HAZARDOUS			
			OSHA	OSHA PEL	ACGIH	ACGIH TLV
1. Ferrite	1309-37-1 1317-38-0 1314-13-2 1309-48-4	80	NL	NL	NL	NL
2. Toner (FQ-T50K)		20	NL	NL	NL	NL

TLV of the Product: 8mg/m<sup>3</sup> (Total Dust), 2mg/m<sup>3</sup> (Respirable)

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirement of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

Not falls

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Not applicable	Specific Gravity (H <sub>2</sub> O = 1)	4.20
Vapor Pressure (mm Hg)	Not applicable	Melting Point	Not applicable
Vapor Density (AIR = 1)	Not applicable	Evaporation rate (Butyl Acetate = 1)	Not applicable
Solubility in Water	Insoluble		
Appearance and Odor	Fine black powder, practically odourless.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Not applicable	Flammable Limits	Not applicable	LEL	UEL
Extinguishing Media	Water, CO <sub>2</sub> , Foam, Dry Chemical				
Special Fire Fighting Procedures	Not flammable or combustible but will burn if ignited. Extinguish with water, CO <sub>2</sub> , foam, dry chemical.				
Unusual Fire and Explosion Hazards	None under normal storage and use conditions.				

**SECTION V - REACTIVITY DATA**

FP-1530/1510/1307/1540

Stability	Unstable		Condition to Avoid Abnormally high temperature.
	Stable	✓	
Incompatibility (Materials to Avoid) None.			
Hazardous Decomposition or Byproducts None in normal handling and use.			
Hazardous Polymerization	May Occur		Condition to Avoid Abnormally high temperature.
	Will Not Occur	✓	

12

**SECTION VI - HEALTH HAZARD DATA**

Route(s) of Entry :	Inhalation ? ✓	Skin ? ✓	Ingestion ? ✓
Health Hazard (Acute and Chronic) Health hazard is minimal being neither irritating, corrosive, volatile, nor toxic. Mutagenicity is negative.			
Carcinogenicity :	NTP ?	IARC Monographs ?	OSHA Regulated ?
Not use carcinogens which are listed in NTP, IARC and OSHA.			
Signs and Symptoms of Exposure Contact with eyes may result in mechanical irritation. Inhalation of dust may irritate mucous membranes. Ingestion may result in gastric disturbances.			
Medical Conditions Generally Aggravated by Exposure	EYES-----Immediately wash eyes with running water for 15 minutes. If irritation develops, get medical attention.		
Emergency and First Aid Procedures	SKIN-----Wash affected areas with soap and water. If irritation develops, get medical attention. Remove and launder contaminated clothing before reuse.		
	INGESTION----If swallowed dilute with water and immediately induce vomiting. Get medical attention if the victim is unconscious or having convulsion.		
	INHALATION---Remove to fresh air area. Aid in breathing if necessary and get medical attention.		

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

Steps to Be Taken in Case Material is Released or Spilled	Vacuum or sweep up dry powder.
Waste Disposal Method	Dispose in accordance with local, state and federal regulations.
Precautions to Be Taken in Handling and Storing	Avoid dust inhalation and skin contact.
Other Precautions	Keep containers closed. Store in a cool, dry place.

**SECTION VIII - CONTROL MEASURES**

Respiratory Protection (Specify Type)				
None required under normal use.				
Ventilation	Local Exhaust	None required under normal use.	Special	None required under normal use.
	Mechanical (General)	None required under normal use.	Other	None required under normal use.
Protective Gloves	None required under normal use.		Eye Protection	None required under normal use.
Other Protective Equipment	None required under normal use.			
Work/Hygienic Practices	Minimize breathing dust.			