

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD

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Material Safety Data Sheet

FP-1300/1310R
 BLUE DEVELOPER

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

SECTION I

Date: Jan. 8, 1988

Product Name Panasonic Developer FQ-Z103B-PG	Chemical Name & Synonyms Electrostatic Developer
Product Class Inert resinated dark blue powder	Emergency Phone No. Matsushita Electric Industrial Co., Ltd. Japan 0286-63-3221

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (INCREDIENTS EMERGENCY NAME)	CAS #	%	LISTED AS A HAZARDOUS			
			OSHA	OSHA PEL	ACGIH	ACGIH TLV
C.I. Pigment Blue 15:3	147-14-8	(1	NL	NL	NL	NL
In-Fertile	1309-38-2	} 25-30	NL	NL	NL	NL
	1313-13-9		L	5.0mg/m ³	L	5.0mg/m ³
Iron Oxide γ	1309-37-1	1- 6	NL	NL	NL	NL
Titanium Oxide	13463-67-7	1- 6	L	15.0mg/m ³	L	10.0mg/m ³
BaSO ₄	25767-47-9	} 37-42	NL	NL	NL	NL
BaCO ₃	39382-25-7		NL	NL	NL	NL
Additive	7831-86-9	(1	L	10.0mg/m ³	L	10.0mg/m ³

(L: listed, NL: not listed.)
 TLV of the Product: 10 mg/m³ (Total Dust), 5 mg/m³ (Respirable)
 PEL of the Product: 15 mg/m³ (Total Dust), 5 mg/m³ (Respirable)

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	Not applicable.	Specific Gravity (20 - 1)	2.5
Vapor Pressure (mm Hg.)	Not applicable.	Refilling Point	Not applicable.
Vapor Density (AIR = 1)	Not applicable.	Evaporation Rate (Butyl Acetate = 1)	Not applicable.
Solubility in Water	Insoluble.		
Appearance and Odor	Fine dark blue powder, practically odourless.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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

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SECTION V - REACTIVITY DATA

Stability	Reactive		Condition to Avoid	Abnormally high temperature.
	Stable	✓		
Hazardous Decomposition or Polymerization				
None.				
Hazardous Polymerization				
None in normal handling and use.				
Hazardous Polymerization	May Occur		Condition to Avoid	Abnormally high temperature.
	Will Not Occur	✓		

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:	MTP ?	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 Storage	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/Hygiene Practices	Minimize breathing dust.			

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