

FP-1300/1310R  
RED TONER

SECTION V - REACTIVITY DATA

Stability	Unstable	Condition to Avoid	Abnormally high temperature.
	Stable		
Hazardous Decomposition or Byproducts None.			
Hazardous Polymerization Will Not Occur <input checked="" type="checkbox"/>			
Condition to Avoid Abnormally high temperature.			

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation? <input checked="" type="checkbox"/>	Skin? <input checked="" type="checkbox"/>	Ingestion? <input checked="" type="checkbox"/>
Health Hazard (Acute and Chronic) Health hazard is minimal being neither irritating, corrosive, volatile, nor toxic. Mutagenicity is negative.			
Carcinogenicity: 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 Cloves	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.				

33

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD

Office Equipment Division

9-1, Hiraide Kogyo Dauchi, Utsunomiya City, Tochigi Pref. 321-JAPAN

Phone No. Japan 0286-63-1221, Fax No. Japan 0286-63-6393

FP-1300/1310R

Material Safety Data Sheet DRUM

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

SECTION I

Date: Jan. 12, 1988

Product Name	FQ-H831	Chemical Name & Synonyms	Aluminum (Al), Selenium (Se), Tellurium (Te)
Product Class	Photocoductive Drum	Emergency Phone No.	Matsushita Electric Industrial Co., Ltd. Japan 0286-63-3221

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENT'S (CHEMICAL NAME)	CAS #	wt%	LISTED AS A HAZARDOUS			
			OSHA	OSHA PEL	ACGIH	ACGIH TLV
Aluminum (Al)	7429-90-5	96.0	NI		I	10mg/m <sup>3</sup>
Se:Te Alloy						
Selenium (Se)	7782-49-2	3.6	I	0.2mg/M <sup>3</sup>	I	0.2mg/m <sup>3</sup>
Tellurium (Te)	13494-80-9	0.4	I	0.1mg/M <sup>3</sup>	I	0.1mg/m <sup>3</sup>

Se:Te alloy is hard vitreous substance. When coated it strongly adheres to an aluminum substrate, so there is no hazard as long as the drum is used as intended.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	1148~1328 (°F)	Specific Gravity (H <sub>2</sub> O = 1)	4.3~6.3
Vapor Pressure (mm Hg.)	N. A.	Melting Point	419~473 (°F)
Vapor Density (AIR = 1)	N. A.	Evaporation Rate (Butyl Acetate = 1)	N. A.
Solubility in Water	negligible		
Appearance and Odor	brown, no odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	N. A.	Flammable Limits	N. A.	LEL	UEL
Extinguishing Media	Dry chemical				
Special Fire Fighting Procedures	Self contained breathing apparatus and full protection against dust and fumes. (In case that a large quantity of drums produces fumes or vapors at a high temperature)				
Unusual Fire and Explosion Hazards	Nothing				

34

FP-1300/1310R  
DRUM

**FUJI**  
**ELECTRIC**

Fuji Electric Co., Ltd.  
New Yurakucho Bldg.  
12-1, Yurakucho, Chiyoda-ku,  
Tokyo 100, Japan

Your Ref.

Our Ref.

Tokyo

November 30, 1987

Messers. Matsushita Electric Industrial Co., Ltd.

C E R T I F I C A T E

FP-3000

Dear sirs

We hereby certify that all chemical substances found in the following products comply with all applicable rules and orders under TSCA (Toxic Substances Control Act). They consist of chemical substances which are included in TSCA inventory:

Selenium drum (FQ-H932) to be applied to PPC copier FP1801, FP1802, FP3001 and FP3010R of Matsushita Electric Industrial Co., Ltd. made.

Ingredients

Selenium Drum : Aluminum alloy for conductive substrate  
Selenium - Tellurium alloy for photoconductive layer

Supporters of selenium drum : Aluminum alloy for flange  
Duracon for gear  
Iron alloy for binding stay,  
nut and screw

Yours truly,

*Y. Nakaura*  
Y. Nakaura  
General Manager  
Photoconductor Department  
Matsumoto Factory  
Fuji Electric Co., Ltd.

Phone : Tokyo (03)211-7111  
Telex : J22331 J263M

36

Stability	Unstable		Condition to Avoid
	Stable	X	N. A.
Incompatibility (Materials to Avoid)			
Hazardous Decomposition or Byproducts			
Hazardous polymerization	May occur		Condition to Avoid
	Will not occur	X	N. A.

SECTION V - HEALTH HAZARD DATA

Route(s) of Entry:	Inhalation?	No	Skin?	No	Ingestion?	No
Health hazard of Se:Te alloy is unknown.						
Carcinogenicity:						
	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No
	Selenium	No	Tellurium	No		No
Signs and Symptoms of Exposure						
No effects are known.						
Medical Conditions Generally Aggravated by Exposure						
Unknown						
Emergency and First Aid Procedures						
N. A.						

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled	Usual cleaning methods
Waste Disposal Method	Return used drums to manufacturer or arrange for long term storage.
Precautions to be Taken in Handling and Storing	N. A.
Other Precautions	N. A.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)			
N. A.			
Ventilation	Local Exhaust	N. A.	Special
	Mechanical (General)	N. A.	Other
Protective Gloves		N. A.	Eye Protection
			N. A.
Other Protective Equipment			
N. A.			
Work/Hygienic Practices			
N. A.			

35