

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD

Office Equipment Division

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Material Safety Data Sheet FP-2520/2625

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

SECTION I

Date : May 30, 1991

Product Name Toner, Photoconductive Drum FQ-H933	Chemical Name & Synonyms Aluminum (Al), Selenium (Se) Tellurium (Te)
Product Class Photocouductive Drum	Emergency Phone No.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components		( L : listed. NL : not listed. )				
INGREDIENTS (CHEMICAL NAME)	CAS #	wt%	LISTED AS A HAZARDOUS			
			OSHA	OSHA PEL	ACGIH	ACGIH TLV
Aluminum (Al)	7429-90-5	97.0	NL	---	L	10mg/m <sup>3</sup>
Se:Te Alloy						
Selenium (Se)	7782-49-2	2.7	L	0.2mg./M <sup>3</sup>	L	0.2mg/m <sup>3</sup>
Tellurium (Te)	13494-80-9	0.3	L	0.1mg./M <sup>3</sup>	L	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 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.

Photoconductor is an "article" as defined in §372.3. So, notification is not required.

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	CO <sub>2</sub> , Dry chemicals				
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				

## SECTION V - REACTIVITY DATA

FP-2520/2625

Stability	Unstable		Condition to Avoid
	Stable	x	
Incompatibility (Materials to Avoid) Oxidizing agents, reductive acids			
Hazardous Decomposition or Byproducts SeO <sub>2</sub> , H <sub>2</sub> Se			
Hazardous Polymerization	May occur		Condition to Avoid
	Will not occur	x	

## SECTION VI - HEALTH HAZARD DATA

Route (s) of Entry:	Inhalation?	No	Skin?	No	Ingestion?	No
Health Hazard (Acute and Chronic) 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 VII - 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 VIII - CONTROL MEASURES

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