

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD

Office Equipment Division
 8-1, Hiraide Kogyo Danchi, Utsunomiya City, Tochigi Pref., 321-JAPAN
 Phone No. Japan 0286-68-3221. Fax No. Japan 0286-62-8393

①

Material Safety Data Sheet

FP-3007/3030/3037/3040/4650
 DRUM 116.5C/5060

(This Form is Similar to U.S. Labor Dept. Form Approved OMB No. 1218-0104)

SECTION I

Product Name FR PQ-H400/H401	Chemical Name & Synonyms Aluminum(Al) Arsenic triselenide(As ₂ Se ₃)	Date : Mar. 28, 1991
Product Class Photoconductive Drum	Emergency Phone No.	

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (L : listed NL : not listed)

INGREDIENTS	CAS #	%	LISTED AS A HAZARDOUS			
			OSHA	OSHA PEL	ACGIH	ACGIH TLV
Aluminum(Al)	7429-90-5	97.5	NL		L	10mg/m ³
Arsenic triselenide (As ₂ Se ₃)	1303-26-2	2.5	NL		NL	

*Arsenic & soluble compound as As : 0.2mg/m³

Arsenic triselenide 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 1526-1598(°F)	Specific Gravity (H ₂ O = 1) 4.8-5.8
Vapor Pressure (mm Hg.) N. A.	Melting Point 671-689(°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			



(2)

SECTION V - REACTIVITY DATA

Stability	Unstable		Condition to Avoid	N. A.
	Stable	✓		
Incompatibility (Materials to Avoid)				
Oxidizing agents, reductive acids.				
Hazardous Decomposition or Byproducts				
As ₂ O ₃ , AsH ₃ , SeO ₂ , H ₂ Se				
Hazardous Polymerization	May Occur		Condition to Avoid	N. A.
	Will Not Occur	✓		

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry :	Inhalation ?	Skin ?	Ingestion ?
	No	No	No
Health Hazard (Acute and Chronic)			
Health hazard of arsenic triselenide is unknown.			
Carcinogenicity :	NTP ?	IARC Monographs ?	OSHA Regulated ?
Arsenic triselenide	not specified'	not specified'	No
(1 2 : see SUPPLEMENT)			
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
Best 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.	Special	N. A.
	Mechanical (General)	N. A.	Other	N. A.
Protective Gloves		N. A.	Eye Protection	
			N. A.	
Other Protective Equipment				
N. A.				
Work/Hygiene Practices				
N. A.				

