

# MURATEC MODEL F-75

## Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200. Standard must be consulted for specific requirements

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

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### Section I

Manufacturer's Name CASIO ELECTRONICS MANUFACTURING CO., LTD	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code) 2-229 SAKURAGAOKA HIGASHI YAMALO-CITY TOKYO 189 JAPAN	Telephone Number for Information
	Date Prepared
	Signature of Preparer (optional)

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS No.	OSHA PEL ACGIH TLV	Other limits Recommended	% (optional)
Styrene Acrylic Copolymer	25153-46-2			45 ~ 50
Magnetite	1317-61-9			40 ~ 45
Metal-Complex Azo Dye	88377-66-6			1 ~ 5
Low molecular weight polypropylene	9003-07-0			1 ~ 5

### Section III - Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H <sub>2</sub> O - 1)	1.6
Vapor Pressure (mm Hg)	N.A.	Melting Point	About 135° C
Vapor Density (AIR - 1)	N.A.	Evaporation Rate	N.A.
Solubility in Water	INSOLUBLE		
Appearance and Odor	BLACK POWDER, FAINT ODOR		

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A.	Flammable Limits	N.A.	LEL	UEL
				N.A.	N.A.
Extinguishing Media	WATER FOG; FOAM; DRY CHEMICAL; CO <sub>2</sub>				
Special Fire Fighting Procedures	AVOID INHALATION OF SMOKE. WEAR MSHA/NIOSH SELF CONTAINED BREATHING APPARATUS. EXTINGUISH FIRE WITH WATER SPRAY				
Unusual Fire and Explosion Hazards	MATERIAL CAN FORM EXPLOSIVE MIXTURES WHEN SUSPENDED IN AIR ALL IGNITION SOURCES SHOULD BE AVOIDED				



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Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid AVOID OPEN FLAME
	Stable	XX	
Incompatibility (Materials to Avoid) NONE WITH COMMON MATERIALS WITH WHICH THE PRODUCT MAY REASONABLY COME INTO CONTACT			
Hazardous Decomposition or Byproducts TOXIC DECOMPOSITION PRODUCTS FORMED ON COMBUSTION			
Hazardous Polymerization	May Occur		Conditions to Avoid NO KNOWN
	Will Not Occur	XX	
Section VI - Health Hazard Data			
Routes of Entry:		Inhalation?	Skin? Ingestion?
Health Hazards (Acute and Chronic)		NO KNOWN HEALTH HAZARDS WHEN USED AS INTENDED IN A FACSIMILE MACHINE	
Carcinogenicity:		NTP? NO	IARC Monographs? NO OSHA Regulated NO
Signs and Symptoms of Exposure:		IRRITATION OF EYES AND RESPIRATORY TRACT MAY OCCUR IN HEAVY DUST CONDITIONS	
Medical Conditions Generally Aggravated by Exposure		NONE KNOWN	
Emergency and First Aid Procedures		REMOVE FROM EXPOSURE; WASH SKIN WITH SOAP; FLUSH EYES WITH WATER; DRINK WATER IF INGESTED	
Section VII - Precautions for Safe Handling and Use			
Steps to be Taken in Case Material is Released or Spilled		VACUUM OR SWEEP UP AS WITH ANY NON-TOXIC POWDER	
Waste Disposal Method		DISPOSE ACCORDING TO FEDERAL, STATED LOCAL REGULATIONS	
Precautions to be Taken in Handling and Storing		DO NOT STORE NEXT TO STRONG OXIDIZERS	
Other Precautions		AVOID EXCESSIVE EXPOSURE TO HEAT	
Section VIII - Control Measures			
Respiratory Protection (Specify Type)		NONE REQUIRED WHEN PRODUCT IS USED AS INTENDED	
Ventilation	Local Exhaust	NORMAL OFFICE CONDITIONS	Special NONE
	Mechanical (General)	NORMAL OFFICE CONDITIONS	Other NONE
Protective Gloves NONE REQUIRED WHEN PRODUCT USED AS INTENDED		Eye Protection NONE REQUIRED WHEN PRODUCT USED AS INTENDED	

Other Protective Clothing or Equipment	NONE REQUIRED WHEN PRODUCT USED AS INTENDED
Work/Hygenic Practices	AVOID BREATHING DUST IF SAMPLE IS SPILLED

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IDENTITY (As Used on Label and List) OPC DRUM	Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.
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### Section I

Manufacturer's Name CASIO ELECTRONICS MANUFACTURING CO., LTD	Importer's Name
Address (Number, Street, City, State, and ZIP Code)	
2-229 SAKURAGAOKA HIGASHI YAMATO-CITY	
TOKYO 189, JAPAN	

### Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL ACGIH TLV	Other limits Recommended	% (optional)
<b>NONE HAZARDOUS INGREDIENTS:</b>			
Aluminum Cylinder (CAS No. 7429-90-5)	--	Not Listed	None >97%
Binder resin (CAS No. 25134-45-6)	--	Not Listed	None <1%
Photosensitive Material (CAS No. 113840-79-2)	--	Not Listed	None <1%
Pigment (CAS No. 26201-32-1)	--	Not Listed	None <1%

### Section III - Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H <sub>2</sub> O - 1)	2.7
Vapor Pressure (mm Hg)	N.A.	Melting Point	N.A.
Vapor Density (AIR - 1)	N.A.	Evaporation Rate	N.A.
Solubility in Water	NEGLIGIBLE		
Appearance and Odor	CYANINE GREEN, ODORLESS AND SOLID CYLINDER		

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N.A.	Flammable Limits	LEL N.A.	UEL N.A.
Extinguishing Media	WATER; FOAM; DRY CHEMICAL OR CO2			
Special Fire Fighting Procedures	THIS MATERIAL WILL SCORCH WHEN EXPOSED TO FIRE			

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Unusual Fire and Explosion Hazards      THIS MATERIAL HAS NO UNUSUAL FIRE OR EXPLOSION HAZARDS

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(Reproduce locally)      OSHA 174, Sept. 1985

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Section V - Reactivity Data			
Stability	Unstable		Conditions to Avoid
	Stable	XX	
Incompatability (Materials to Avoid)			
Hazardous Decomposition or Byproducts		CO, CO2 AND NO <sub>x</sub>	
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	XX	
Section VI - Health Hazard Data			
Routes of Entry:		Inhalation? NO	Skin? NO Ingestion?NO
Health Hazards (Acute and Chronic)		LD-50 VALUE OF THE COATED COMPOUNDS ON THE ALUMINUM SUBSTRATA IN AN ORAL TOXICITY TEST IS OVER 5000 mg/kg	
THE RESULT OF THE AMES TEST IS NEGATIVE			
Carcinogenicity:		NTP? NO	IARC Monographs? NO OSHA Regulated NO
Signs and Symptoms of Exposure:		NONE	
Medical Conditions Generally Aggravated by Exposure		NONE	
Emergency and First Aid Procedures		NO TREATMENT IS REQUIRED	
Section VII - Precautions for Safe Handling and Use			
Steps to be Taken in Case Material is Released or Spilled		NO SPECIAL PRECAUTIONS	
Waste Disposal Method		WASTE MATERIAL MAY BE DUMPED OR INCINERATED UNDER	
CONDITONS WHICH MEET ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REQUIREMENTS			
Precautions to be Taken in Handling and Storing		NO SPECIAL STORAGE REQUIREMENTS FOR	
SAFETY REASONS			
Other Precautions		NONE	
Section VIII - Control Measures			
Respiratory Protection (Specify Type)		NONE REQUIRED UNDER NORMAL USE	
Ventilation	Local Exhaust	NO	Special NO
	Mechanical (General)	NO	Other NO
Protective Gloves	NONE REQUIRED UNDER NORMAL USE	Eye Protection	NONE REQUIRED UNDER NORMAL USE

Other Protective Clothing or Equipment	NONE REQUIRED UNDER NORMAL USE
Work/Hygenic Practices	NONE