

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)
Black Toner for Toner Cartridge/KX-P451
Laser Printer/KX-P4420
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.

Section I

Distributor's Name	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code)	Telephone Number for Information
Manufacturer's Name Kyushu Matsushita Electric Co., Ltd.	Date Prepared March 27, 2002
Address 1471 Murata-Machi, Tosu, Saga, Japan	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)
Cr(III)-containing Dyestuff	31714-55-3	0.5mg/m ³	0.5mg/m ³	None	<1%
Carbon Black	1333-86-4	3.5mg/m ³	3.5mg/m ³	None	5%
Other Ingredients					
Styrene-Acrylate Copolymer	29497-14-1	-	Not listed	None	91%
Polypropylene	9003-07-0	-	Not listed	None	2%
Silicon Dioxide	68611-44-9	-	Not listed	None	<1%
Prussian Blue	25869-00-5	-	Not listed	None	<1%

Section III - Physical/ Chemical Characteristics

Boiling Point	*N.A.	Specific Gravity(H ₂ O = 1)	1.15
Vapor Pressure(mm Hg.)	N.A.	Melting Point	130
Vapor Density(AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.
Solubility in Water	Negligible		
Appearance and Odor	Dark, Blackpowder, odorless		

Section IV - Fire and Explosion Hazard Data

Flash Point(Method used)	N.A.	Flammable Limits	LEL	UEL
Extinguishing Media	CO ₂ , dry chemicals, foamor water			
Special Fire Fighting Procedures	Not required			
Unusual Fire and Explosion Hazards	This material has no unusual fire or explosion hazards.			

(Reproduce locally)

*N.A. = Not Applicable

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid	None
	Stable	×		
Incompatibility (Materials to Avoid)				
None				
Hazardous Decomposition or Byproducts				
CO, CO ₂ , and NO _x				
Hazardous Polymerization	May Occur		Conditions to Avoid	None
	Will not Occur	×		

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	No	Possible but very unusual
Health Hazards (Acute and Chronic)			
Eye irritation; mild irritant. Ingestion; may be harmful if swallowed.			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	Possible human carcinogen(IRAC Group 2B via inhARATION)	Yes
Signs and Symptoms of Exposure			
Minimum irritation to respiratory tract may occur as with exposure to any non-toxic dust.			
May cause or raise phlegm.			
Medical Conditions			
Generally Aggravated by Exposure			
Accumulation of dust in the respiratory system.			
Emergency and First Aid Procedures			
Inhalation: Remove from exposure. If effects occur, consult local medical personnel.			
Skin: Wash with water. Eyes: Flush with water.			
Ingestion: Get medical attention immediately.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled	
Minimize the release of particulates. Wear personal protective equipment. Sweep up or vacuum spilled toner and carefully transfer into sealed container. Sweep slowly to minimize generation of dust during cleanup. If a vacuum is used, the motor should be rated as dust tight. Residue can be removed with soap and water. Garments may be washed or dry cleaned, after removal of loose toner.	
Waste Disposal Method	
Dispose it in accordance with federal, state and local regulation.	
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		Special
		No	No
Protective Gloves	Machanical (General)		Other
		No	No
Other Protective Clothing or Equipment		Eye Protection	
None required under normal use.		None required under normal use.	
Work/Hygienic Practices			
Inhalation should be avoided. Wash hands after contact.			