

72301 5020, 5015, 7025, 7035, 7045 TONER

Revised: April 11, 1983

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 4470387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Ricoh Co., Ltd.	EMERGENCY TELEPHONE NO. 03-777-8183
ADDRESS (Number, Street, City, State, and ZIP Code) 1-3-6, Nakemakurume, Ota-ku, Tokyo, Japan	
CHEMICAL NAME AND SYNONYMS Inert resinated carbon black powder	TRADE NAME AND SYNONYMS RICOH DPC TONER type 4000
CHEMICAL FAMILY	FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES & SOLVENTS	%	TLV (Units)	ALL OTS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS (Carbon black)	13		BASE METAL		
CATALYST			ALLOYS		
VEHICLE (Resin)	85		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES (Dye)	2		OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Not applicable

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	N. A.	SPECIFIC GRAVITY (H ₂ O=1)	1.2
VAPOR PRESSURE (mm Hg)	N. A.	PERCENT VOLATILE BY VOLUME (%)	N. A.
VAPOR DENSITY (AIR=1)	N. A.	EVAPORATION RATE	N. A.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND ODOR	Odorless black powder		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Water, dry chemical		
SPECIAL FIRE FIGHTING PROCEDURES	None		
UNUSUAL FIRE AND EXPLOSION HAZARDS	None		

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

EFFECTS OF OVEREXPOSURE
Health hazard is minimal, being neither irritating, corrosive
nor toxic. There is no health hazard in normal use condition.

EMERGENCY AND FIRST AID PROCEDURES
Contact with skin: Normal washing with soap and water.
In eyes: Try to remove or flush out with eye drops.
If unsuccessful, get medical attention.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE	CONDITIONS TO AVOID	
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) None in normal handling and use.			
HAZARDOUS DECOMPOSITION PRODUCTS None in normal handling and use.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

If spilled, sweep up or pick up by vacuum cleaner.

WASTE DISPOSAL METHOD

Disposal should conform to local regulation.

SECTION VIII - SPECIAL PROTECTION INFORMATION

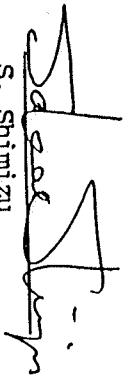
RESPIRATORY PROTECTION (Specify type)				None needed	
VENTILATION	LOCAL EXHAUST	None needed		SPECIAL	
	MECHANICAL (General)	Adequate ventilation		OTHER	
PROTECTIVE GLOVES		None needed		EYE PROTECTION	
OTHER PROTECTIVE EQUIPMENT		None needed.		None needed	

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep containers closed. Store in a cool and dry place.

OTHER PRECAUTIONS
Do not handle in areas where the wind blows: Flying powder may enter into eyes.
Avoid inhalation of dust.


S. Shimizu
General Manager
P.L.P. Department