

7029 5020, 5015, 7025, 7035, 7045 DEVELOPER April 11, 1983

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

Form Approved
OMB No. 4430387

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, Nakamagome, Otaka, Tokyo, Japan

CHEMICAL NAME AND SYNONYMS
Resinated carbon black and Iron powder
TRADE NAME AND SYNONYMS
Ricoh ppc developer type 4000

CHEMICAL FAMILY

FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TV (Unit)	ALLOYS AND METALLIC COATINGS	%	TV (Unit)
PIGMENTS (Toner)	3.5		BASE METAL		
CATALYST			ALLOYS		
VEHICLE (Iron powder)	96.5		METALLIC COATINGS		
SOLVENTS (Ferrite)			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

%
TV (Unit)

Not applicable

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	N. A.	SPECIFIC GRAVITY (H ₂ O=1)	7.0
VAPOR PRESSURE (mm Hg)	N. A.	PERCENT VOLATILE BY VOLUME (%)	N. A.
VAPOR DENSITY (AIR=1)	N. A.	EVAPORATION RATE *1)	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

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EXTINGUISHING MEDIA

If product becomes involved in a fire, use CO₂, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES

None

UNUSUAL FIRE AND EXPLOSION HAZARDS

None

SECTION V . HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Health hazard is minimal, being neither
Effects of overexposure irritating, corrosive, volatile nor toxic.

There are no health hazards under 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) <u>None</u>			
HAZARDOUS DECOMPOSITION PRODUCTS <u>None</u>			
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) <u>None needed.</u>			
VENTILATION	LOCAL EXHAUST	<u>None needed.</u>	SPECIAL
	MECHANICAL (General)	<u>Adequate ventilation</u>	OTHER
PROTECTIVE GLOVES	<u>None needed.</u>	EYE PROTECTION	<u>None needed.</u>
OTHER PROTECTIVE EQUIPMENT <u>None needed.</u>			

SECTION IX . SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Keep containers closed.

OTHER PRECAUTIONS Store in a cool and dry place.
Avoid inhalation of dust.