

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

Form Approved
OHS 101-100-0101

MATERIAL SAFETY DATA SHEET

Required under USD, 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 (Street, City, State, and ZIP Code) 1-5-6, Nakamatsushima, Ota-ku, Tokyo, Japan	
CHEMICAL NAME AND SYNONYMS Inert resinated carbon black powder	
TRADE NAME AND TYPE Ricoh PIP type 3000	
CHEMICAL FAMILY FORMULA	

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS & SOLVENTS	% (Wt)	TLV (mm)	ALLIOTS AND METALLIC COATINGS	% (Wt)	TLV (mm)
PAINTS PRESERVATIVES & SOLVENTS					
RESIN (Carbon black)	13		BASE METAL		
CATALYST			ALLOYS		
VERNIC (Resin)	85		METALLIC COATINGS		
SOLVENTS			FILLS METAL		
ADHESIVES (Dye)	2		PLAS COATING OR CORE FLUX		
OTHERS			OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUID, SOLID, OR GASES

Not applicable

SECTION III - PHYSICAL DATA

BOILING POINT (°F)	N.A.	SPECIFIC GRAVITY (Wt/Vol)	1.2
VAPOR PRESSURE (mm Hg)	N.A.	PERCENT VOLATILE BY VOLUME (%)	N.A.
WATER DENSITY (Wt/Vol)	N.A.	EMULSION RATE	N.A.
SOLUBILITY IN WATER	Insoluble		
APPEARANCE AND COLOR	Odorless Black powder		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Fahrenheit)	Flammable limits	Lower	Upper
EXTINGUISHING MEDIA	Water, dry chemical		
SPECIAL FIRE FIGHTING PROCEDURES	None		
HAZARDOUS, FIRE AND EXPLOSION HAZARDS			

SECTION V - HEALTH HAZARD DATA

TOXICOLOGICAL VALUE	Health hazard is minimal, being neither irritating, corrosive, volatile, nor toxic.
EFFECTS OF OVEREXPOSURE	There are no health hazards under normal use condition. 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 (known to react)	None	
HAZARDOUS DECOMPOSITION PRODUCTS	None	
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 (Suits and)	None needed.
VENTILATION	LOCAL EXHAUST: None needed. MECHANICAL (General): Adequate ventilation OTHER: None needed.
PROTECTIVE GLOVES	None needed.
OTHER PROTECTIVE EQUIPMENT	None needed.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	Keep containers closed. Store in a cool and dry place. Avoid inhalation of dust.
OTHER PRECAUTIONS	

PAGE (2)

S. Shima

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General manager
P.T.P. Office

Form OSHA-20