

#C1296

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)  
**KX-PISS INK**

Note: Blank spaces are not permitted. If any item is not applicable,  
information is available, the space must be marked to indicate this.

Section I

Manufacturer's Name  
**HITACHI POWDERED METALS CO., LTD**  
Address (Number, Street, City, State, and ZIP Code)  
**No. 16-8, 3 Chome, Sotokanda Chivoda-ku**  
**Tokyo 101, JAPAN**

Emergency Telephone Number  
**0479-76-5572**  
Telephone Number for Information  
**03-255-0171**  
Date Prepared  
**21.AUG.1989**  
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Carbon black (CAS No. 1333-86-4)	TWA=3.5mg/m <sup>3</sup>	TWA=3.5mg/m <sup>3</sup>	-	2 ~ 10
		STEL=(7)mg/m <sup>3</sup>		
Mineral oil (CAS No. 8002-05-9)	-	-	-	10 ~ 40

#C1296

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	1.00
Vapor Pressure (mm Hg.)	N/A	Melting Point	NONE
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble		
Appearance and Color	Black		

Section IV - Explosion Hazard Data

Flash Point (Method Used)	Over 200 F COC	Flammable Limits	LEL	UFL
			N/A	N/A
Extinguishing Media	Water Fog, Form. CO <sub>2</sub> , & Dry Chemical			
Special Fire Fighting Procedures	Treat as oil fire.			
Unusual Fire and Explosion Hazards	Keep containers tightly closed.			
	Isolate from heat sparks and flame.			

(Reduce localy)

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid	Excessive heat, sparks, or open flame.
	Stable	X		

Incompatibility (Materials to Avoid) Strong chemical oxidizing agents.

Hazardous Decomposition or Byproducts Thermal decomposition may release oxides of carbon and nitrogen.

Hazardous Polymerization	May Occur		Conditions to Avoid	N/A
	Will Not Occur	X		

Section VI — Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
		X	

Health Hazards (Acute and Chronic) Low hazard for industrial handling. No data available for chronic effects of overexposure.

Mutagenicity:	NTP?	IARC Monographs?	OSHA Regulated?
		IRAC Animal Carcinogens	

Signs and Symptoms of Exposure None

Medical Conditions Generally Aggravated by Exposure N/A

Emergency and First Aid Procedures In case of eye contact, flush with plenty of water.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled  
This is not a regulated product. Spills should be contained, absorbed, and placed in suitable container for disposal.

Disposal Method  
Landfill or incinerate in accordance with applicable local, state and federal environmental regulations.

Precautions to Be Taken in Handling and Storing  
In accordance with good industrial work practice, handle with care, avoid spills, unnecessary contact, and wash thoroughly after handling.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type) N/A

Ventilation	Local Exhaust	N/A	Special	N/A
	Mechanical (General)	Acceptable	Other	N/A

Protective Gloves Oil-proof gloves Eye Protection Safety goggles

Other Protective Clothing or Equipment Not needed

Work/Hygiene Practices Keep out of reach of children. Wash after handling.