

Material Safety Data Sheet

TAIYO INK (SUZHOU) CO.,LTD.

Manufacturer

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Emergency Phone Number

PSR-4000 EG23

Identity (Trade Name As Used On Label)

MSC-031021-A-00

MSDS Number*

CAS Number*

Jun 11th, 2004

Date Prepared

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Prepared By*

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 1 - MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS - Chemical Name & Common Names (Hazardous Components 1% or greater: Carcinogens 0.1% or greater)		%	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Heavy aromatic solvent naphtha(petroleum)	CAS No. 64742-94-5	< 12	N.A.	N.A.	N.A.
Silica crystalline	CAS No. 14808-60-7	< 1	0.1mg/m3	0.1mg/m3	N.A.
Carbon black	CAS No. 1333-86-4	< 1	3.5mg/m3	3.5mg/m3	N.A.
Total		100			

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	146	Specific Gravity (H ₂ O = 1)	1.4±0.1
Vapor Pressure (mm Hg and Temperature)	0.05 mmHg (20)	Melting Point	N.E.
Vapor Density (Air = 1)	4.60	Evaporation Rate (= 1)	<1
Solubility in Water	< 12 wt%	Water Reactive	NIL.
Appearance and Odor	Black liquid with Mild Odor		

SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	73.5	Auto-Ignition Temp. N.E.	Flammability Limits in Air % by Volume	LEL N.E.	UEL N.E.
Extinguisher Media	Carbon dioxide, Foam, Dry chemical				
Special Fire Fighting Procedures	Remove sealed containers from vicinity of fire; Normal procedures for burying liquids Use self-contained breathing apparatus				
Unusual Fire and Explosion Hazards	Sealed containers; If heated by flame or high temperature, can rupture due to build up of internal pressure.				

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY	Conditions To Avoid	NIL.
✓ Stable	Unstable	

Incompatability (Materials to Avoid)	Strong Acids, Alkalies and oxidizing agents.
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Hazardous Decomposition	Burning release oxides of carbon and/or Carbon Dioxide, Aldehydes.
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Products

HAZARDOUS POLYMERIZATION	Conditions To Avoid	Heat and Sunlight
May Occur	✓ Will Not Occur	

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY	✓ Inhalation	Ingestion	CARCINOGEN	NTP	OSHA
	✓ Skin Absorption	Not Hazardous	LISTED IN	IARC Monograph	Not Listed

HEALTH HAZARDS	Acute	N.E.
	Chronic	N.E.

Signs and Symptoms of Exposure	Skin and/or Eyes may be irritated
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Medical Conditions Generally Aggravated by Exposure	Pre-existing dermatitis.
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EMERGENCY FIRST AID PROCEDURES	Seek medical assistance for further treatment, observation and support if necessary.
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Eye Contact	Flushing with water immediately at least 15 mins. If irritation persists, seek medical attention.
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Skin Contact	Wash with plenty of soap and water. Do not use organic solvent.
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Inhalation	Move to fresh air place. If irritation persists, treat with oxygen and seek medical attention.
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Ingestion	Obtain medical advice immediately. It's not recommended that vomiting be induced except on medical advice.
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SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	To wear suitable mask to avoid inhaling the vapor.
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Protective Gloves	Chemical resistant gloves	Eye Protection	Safety glasses
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VENTILATION TO BE USED	✓ Local Exhaust	✓ Mechanical (general)	Special
	✓ Other (specify)	General room ventilation	

Other Protective Clothing and equipment	Apron and Boots, if operation is subject to splashing.
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Hygienic Work Practices	Not necessary
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SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released	Wear noissh-approved respirator. Scoop up or absorb with combustible material, Dispose in accordance with the local regulations.
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Waste Disposal Methods	Disposing in accordance to the local regulations.
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Precautions to be Taken in Handling and Storage	Store product in original sealed container at 50~90
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Other Precautions and/or Special Hazards	This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.
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NFPA Rating	Health <u>U.K.</u> Flammability <u>U.K.</u>	HMIS Rating	Health <u>U.K.</u> Flammability <u>U.K.</u>
	Reactivity <u>U.K.</u> Special <u>U.K.</u>		Reactivity <u>U.K.</u> Personal Protection <u>U.K.</u>

Optional	U.K.= Un-Known	N.E.= Not Established	N.A.= Not Applicable
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