

Material Safety Data Sheet

IDENTITY: Doubleheader Calligraphy Marker CL-10BK Water Based Ink - Black	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.
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Section I

Manufacturer's Name ITOYA of America, Ltd.	Emergency Telephone Number 310.603.5390
Address: 2630 Homestead Place	Telephone Number for Information 310.603.5390
Rancho Dominguez, CA 90220	Date Prepared 7/12/07

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% <i>(optional)</i>
Acid Yellow No.4	1934-21-1			1
Acid Yellow No.5	2783-94-1			2
Acid Yellow No.6	72927-70-9			1.2
Acid Red No.102	2611-82-7			1.8
Acid Red No.104	18472-87-2			0.8
Acid Black	8005-03-6			3.0
Acid Blue No.1	3844-45-9			3.0
Acid Violet No.1	1694-09-3			1.2
Direct Black No.154	54804-85-2			2.0
E.G.	107-21-1			20
T.D.G.	111-48-5			5
Surface Agent	9016-45-9			0.5
Preservative	26172-55-4			0.3

Section III - Physical/Chemical Characteristics

Boiling Point	100 C	Specific Gravity (H ₂ O = 1)	n/a
Vapor Pressure (mm Hg.)	n/a	Melting Point	N.D.
Vapor Density (AIR = 1)	N.D.	Evaporation Rate (Butyl Acetate = 1)	N.D.
Solubility in Water FREE, miscible with water.			
Appearance and Odor Black Liquid, Soft odor			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) n/a	Flammable Limits	LEL n/a	UEL n/a
Extinguishing Media Water			
Special Fire Fighting Procedures Hi Temp.			
Unusual Fire and Explosion Hazards n/a			

Section V - Reactivity Data

Stability O	Unstable n/a		Conditions to Avoid n/a
	Stable n/a		
Incompatibility (<i>Materials to Avoid</i>) Hot Temp.			
Hazardous Decomposition or Byproducts n/a			
Hazardous Polymerization	May Occur		Conditions to Avoid
n/a	Will Not Occur O		n/a

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? N.D.	Skin? N.D.	Ingestion? N.D.
Health Hazards (<i>Acute and Chronic</i>)			
Carcinogenicity:	NTP? n/a	IARC Monographs? n/a	OSHA Regulated? n/a
Signs and Symptoms of Exposure N.D.			
Medical Conditions Generally Aggravated by Exposure N.D.			
Emergency and First Aid Procedures seek medical advice			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Keep spills and cleaning from runoff out of municipal sewers and open bodies of water. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid drinking material to separate suitable containers for recovery or disposal. Decontaminate spill area with a solution of 10% sodium bisulfite in water. Rinse decontaminated solution to a chemical sewer after standing for 30 minutes.
Waste Disposal Method: Follow all relevant regulations for disposal.
Precautions to Be taken in Handling and Storing: Avoid prolonged or repeated contact with skin. Avoid eye contact and breathing mist, if generated. Keep away from heat, strong oxidizing agents.
Other Precautions n/a

Section VIII - Control Measures

Respiratory Protection: use air-purifying respirators with dust and mist filters		
Ventilation	Local Exhaust O at 150 ft./min.	Special
	Mechanical (<i>General</i>)	Other

Protective Gloves Chemically resistant. Butyl rubber – nitrile rubber	Eye Protection use chemical splash goggles
Other Protective Clothing or Equipment Use chemically resistant apron	
Work/Hygienic Practices: Wear a MSHA/NIOSH approved (or equivalent) positive pressure self-contained breathing apparatus or full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.	

Section IX - Special Precautions

Precautions to be taken in Handling and Storing: Avoid prolonged or repeated contact with skin. Avoid contact and avoid breathing mist, if generated. Keep away from heat, strong oxidizing agents.
Other Precautions

Not applicable= n/a

Not determined= N.D.