

MATERIAL SAFETY DATA SHEET (MSDS)				IDENTITY			
				Item No.	CL-10BK		
				Name	Doubleheader Calligraphy Marker		
<b>Section I · GENERAL INFORMATION</b>							
Manufacturer's Name				ITOYA of America, Ltd.			
Address				800 Sandhill Avenue Carson, CA 90746			
				Telephone Number	310-527-4170		
				Fax Number	310-527-4680		
				Date Prepared	7/12/2007		
				Updated	1/1/2015		
<b>Section II · HAZARDOUS INGREDIENTS / IDENTITY INFORMATION</b>							
Hazardous Ingredients (Chemical or common name) <sup>(3)</sup>				CAS No.	TLV	wt%	
Ethylene glycol				CAS No.	107-21-1	15-25	
Thiodiglycol				CAS No.	111-48-8	3-8	
1,2-Benzisothiazolin-3-one				CAS No.	2634-33-5	<0.1	
Water				CAS No.	7732-18-5	40-80	
Color Dye				CAS No.		1-15	
				CAS No.			
<b>Section III · PHYS./CHEM.CHARACTERISTICS ( specify component)</b>							
Appearance and odor				Color Ink, Slightly			
Boiling point °C				100-110			
Vapour density (Air=1)				n.d			
Solubility in water				Soluble			
Pressurized				yes	no	x	
Other characteristics							
<b>Section IV · FIRE AND EXPLOSION HAZARD DATA</b>							
Flash point method used				n.a			
Explosion limits(Vol.%)				n.a			
Extinguishing media				Water			
Special fire fighting precautions				Self contained breathing apparatus			
List hazardous products of decomposition				CO, CO2, NOx			
Smoke				Autoignition temp. (°C )			
Other advice							
Smoke							
IMPORTANT							

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Section V · STORAGE HAZARDS		
Stability unstable <input type="checkbox"/>	Conditions to avoid	
stable <input checked="" type="checkbox"/>		
Incompatibility (materials to avoid)	:	Avoid high temperature
List hazardous products of decomposition	:	CO, CO2, NOx
Hazardous polymerization	May occur <input type="checkbox"/> will not occur <input checked="" type="checkbox"/>	Condition to avoid Heat, high temperature and fire sources
Section VI · HEALTH HAZARDS		
1. Acute		2. Chronic *
Signs and symptoms of overexposure	:	
Medical conditions generally aggravated by exposure	:	Ingestion may result in liver and kidney damage
Chemical listed as carcinogen	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Emergency and first aid procedures	:	
Routes of entry	Emergency procedure	Seek medical advice
Inhalation	Remove from exposure rest & keep warm	<input type="checkbox"/>
Eyes	Wash with water	<input checked="" type="checkbox"/>
Skin	Wash with soap and water	<input type="checkbox"/>
Ingestion	Wash out mouth and give water to drink	<input checked="" type="checkbox"/>
Section VII · SPECIAL PRECAUTIONS		
Special precautions to be taken in handling storage	:	Avoid skin and eye contact. Close cap after used.
Other precautions	:	NONE
Steps to be taken in case material is released or spilled	:	Wash off ink and wash with detergents and water
Waste disposal method	:	Dispose the waste ordinarily.
Section VIII · SPECIAL PROTECTION INFORMATION / CONTROL MEASURES		
Respiratory protection (specify type)	:	Not necessary
Ventilation	Local exhaust <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/>	Mechanical (general) n.a <input type="checkbox"/> Other n.a. <input type="checkbox"/>
Skin and eye protection	:	not required but use of safety goggles are preferable
Work / hygienic practices	:	not required,use protective clothing if necessary
Not applicable = n.a Not determined = n.d		