

MATERIAL SAFETY DATA SHEET (MSDS)		PIGMENT ROLLER FLUORESCENCE SKYBLUEINK INK# FPSKD	
PRODUCERS <input checked="" type="checkbox"/> FOR SUPPLIER <input type="checkbox"/> WAREHOUSERS <input type="checkbox"/>			
Section I GENERAL INFORMATION			
Manufacturer's Name OHTO Co., Ltd. (JAPAN) Address #364-1 Namiki-nishi, Hokunan-moro, Yuuki city, Ibaraki-Prif., 307 01 JAPAN		Emergency Tel.No. TOKYO 03-3864-7441 Telephone Number 0296-35-2311 Tele.Fax. Number 0296-35-2319 Date Prepared 11 NOV, 1999 Signature <i>Zensuke Kokuta</i> ZENSUKE KOKUTA	
SECTION II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION			
Hazardous Ingredients (Chemical or common name)	CAS No.	TLV	wt%
Styrene Acrylonitrilic Copolymer	CAS # 9003-54-7		
C-1 Basic BLUE 45	CAS # 63589-47-9		
1,2-Ethan diol	CAS # 107-21-1		
Potassium Olate	CAS # 143-18-0		
Polyoxyethylene nonylphenyl ether	CAS # 9106-45-9		
Benzotriazole	CAS # 95-14-7		
Water			
SECTION III - PHYS./CHEM. CHARACTERISTICS (specify component)			
Appearance and odour: Skyblue Liquid, Odorless Boiling point °C : 100°C Vapour density (Air 1) : n.d. Solubility in water : 100% pH (at=20°C) : 7.06 Surface tension (dyne/cm) : 28.6 Pressurized <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> O Other characteristics : NONE		Component : Water based ink Density (g/cm ³) : 1.048 Melting point °C : 0°C Evaporation rate (butylacetate=1) : n.d. Viscosity (cp at=20°C) : 3.55 % volatile(*) : n.d.	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA			
Flash point method used : n.a.		Explosion limits (Vol.%) LEL n.a. UEL n.a.	
Extinguishing media : n.a.			
Special fire fighting precautions: n.a.		Autoignition temp. (°C) : n.a.	
List hazardous products of decomposition			
Other advice : NONE			
IMPORTANT			
(*) Part of the mixture which evaporates.			
Not applicable : n.a.			
Not determined : n.d.			

SECTION V - STORAGE HAZARDS			
Stability unstable <input type="checkbox"/>	Conditions		
stable <input checked="" type="checkbox"/>	to avoid		NONE
Incompatibility (materials to avoid)			NONE
List hazardous products of decomposition			n.d.
Hazardous polymerization	May occur <input type="checkbox"/>	Condition	
	Will not occur <input checked="" type="checkbox"/>	to avoid	NONE
SECTION VI - HEALTH HAZARDS			
1. Acute	n.d.	2. Chronic	n.d.
Signs and symptoms of overexposure			NONE
Medical conditions generally aggravated by exposure			n.d.
Chemical listed as carcinogen			NONE
Emergency and first aid procedures			n.a.
Routes of entry	Emergency procedure		Seek medical advice
Inhalation	NONE		<input type="checkbox"/>
Eyes	Wash with water		<input checked="" type="checkbox"/>
Skin	Wash with soap water.		<input type="checkbox"/>
Ingestion	Give water, and person vomit.		<input type="checkbox"/>
SECTION VII - SPECIAL PRECAUTIONS			
Special precautions to be taken in handling			NONE
Other precautions			NONE
Steps to be taken in case material is released or spilled	Wash off inks and Wash with detergent		
Waste disposal methods	Dispose the waste ordinary.		
SECTION VIII - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES			
Respiratory protection (specify type)			Not necessary
Ventilation	Local exhaust	Mechanical (general)	Other
	yes	no	n.a.
			n.a.
Skin and eye protection			not required but use of safety goggle preferable
Work/hygienic practices			not required, use protective clothing if necessary