

Product Information Data Sheet

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Product Name (Chemical Name, Trade Name, etc.)

Pen

Ink for Pen and ribbon cassette as the chart recorder's accessories includes chemical substances specified in Japanese domestic law 'Industrial Safety and Health Act'. Please read safety information in the safety data sheet (next page) of parts below for your safety and appropriate use.

Parts No.	Product Name in Safety Data Sheet	Color
B9586ZA	B9586ZA(High Speed type)	RED
B9586ZB	B9586ZB(High Speed type)	GREEN
B9586ZC	B9586ZC(High Speed type)	BLUE
B9586ZR	B9586ZA(High Speed type)	RED
	B9586ZB(High Speed type)	GREEN
	B9586ZC(High Speed type)	BLUE
	B9537PR(High Speed type)	BROWN
B9586ZT	B9586ZA(High Speed type)	RED
	B9586ZB(High Speed type)	GREEN
	B9586ZC(High Speed type)	BLUE
	B9537PR(High Speed type)	BROWN
	B9537PS(High Speed type)	BLACK
	B9537PT(High Speed type)	PURPLE
	B9537PU(High Speed type)	ORANGE
	B9537PV(High Speed type)	RED-PURPLE
B9903PG	B9586ZA(High Speed type)	RED
B9903PH	B9586ZB(High Speed type)	GREEN
B9903PJ	B9586ZC(High Speed type)	BLUE

Parts No.	Product Name in the safety data sheet	Color
B9903QY	B9586ZA(High Speed type)	RED
	B9586ZB(High Speed type)	GREEN
	B9586ZC(High Speed type)	BLUE
	B9565ZJ	PURPLE
B9903QZ	B9586ZA(High Speed type)	RED
	B9586ZB(High Speed type)	GREEN
	B9586ZC(High Speed type)	BLUE
	B9537PV(High Speed type)	RED-PURPLE
	B9565ZJ	PURPLE
B9937PN	B9937PN(High Speed type)	RED
B9937PP	B9937PP(High Speed type)	GREEN
B9937PQ	B9586ZC(High Speed type)	BLUE
B9937PR	B9537PR(High Speed type)	BROWN
B9937PS	B9537PS(High Speed type)	BLACK
B9937PT	B9537PT(High Speed type)	PURPLE
B9937PU	B9537PU(High Speed type)	ORANGE
B9937PV	B9537PV(High Speed type)	RED-PURPLE
B9937PW	B9937PW(High Speed type)	SKY-BLUE
B9937PX	B9937PX(High Speed type)	YELLOW-GREEN
B9937PY	B9937PY(High Speed type)	PINK
B9937PZ	B9537PZ(High Speed type)	YELLOW

The information herein is only provision of information, and it does not represent a guarantee the properties of the product.

SAFETY DATA SHEET

Section1 Idetification of the Substance / Mixture and of the Company / Undertaking

1-1	Product Identifier Product name / Ink name	Product name	Ink name	Color
	:	B9537PQ(High Speed type)	/ UB-4 (B9586WU)	BLUE
	:	B9537PR(High Speed type)	/ UBN-4 (B9586WW)	BROWN
	:	B9537PS(High Speed type)	/ UK-10 (B9586WW)	BLACK
	:	B9537PT(High Speed type)	/ UV-4 (B9586WX)	PURPLE
	:	B9537PU(High Speed type)	/ UOR-3 (B9586WY)	ORANGE
	:	B9537PV(High Speed type)	/ UPR-1 (B9586WZ)	RED-PURPLE
	:	B9537PZ(High Speed type)	/ UT-8 (B9937MH)	YELLOW
	:	B9586ZA(High Speed type)	/ UR-8 (B9586WS)	RED
	:	B9586ZB(High Speed type)	/ UG-4 (B9586WT)	GREEN
	:	B9586ZC(High Speed type)	/ UB-4 (B9586WU)	BLUE
	:	B9937PN(High Speed type)	/ UR-8 (B9586WS)	RED
	:	B9937PP(High Speed type)	/ UG-4 (B9586WT)	GREEN
	:	B9937PW(High Speed type)	/ UPB-9 (B9937ME)	SKY-BLUE
	:	B9937PX(High Speed type)	/ UYG-1 (B9937MF)	YELLOW-GREEN
	:	B9937PY(High Speed type)	/ UPK-8 (B9937MG)	PINK
1-2	Relevant Identified used of the substance or mixture and uses advised against Identifier uses	:	Liquid mixture	
1-3	Detail of the supplier of the safety data sheet Manufacture	:	Right Co,Ltd	
	Address	:	No12 Nishimizue 4 Edogawaku Tokyo 134-8642 Japan	
	TEL	:	+81-3-3653-4320	
	FAX	:	+81-3-3653-8781	
1-4	Emergency phone number TEL	:	+81-3-3653-4320	

Section2 Hazards identification

2-1

Classification of the substance or mixture

Chemical Family : Dye / Water / Solvent Mixture

Classification according to Regulation(EC) No.1272/2008[CLP/GHS]

GHS classification

Hazzard of Physical/Chemical : No classification

Hazzard of Human/Health : Skin sensitzation Category 3

Serious eye damage/eye irritaion Category 2B

Procreation toxicity Category 1B

Whole body toxicity Category 1

Response : Eye contact Flush eyes thoroughly with water Seek medical attention if irritation persists


Skin contact Wash contaminated areas with soap and water

Swallowed Induce vommiting and call a doctor

Disposal : Dispose caontents / container to in accrdance with local/regional/national/international regulation

2-2

Label elements

Signal word : 

Hazard statements : No known significant effects or critical hazards.

2-3

Other hazards

Other hazards which do not result in classification : None known

Section3 Composition/Information on ingredients

3-2 Mixture : Mixture

Product/Ingredient name	Identifier	%	OSHA(US)	Regulation(EC) No. 1272/2008[CLP]
Glycerine	CAS 56-81-5	2.0~5.0	OSHA PEL 15 mg/m3 (TWA,Total dust) 5 mg / m3 (TWA,Respirable fraction) OSHA 29CFR1910. 1200 (1 %) Reportable	Eye Irrit.2 H319 Skin Irrit.2 H315
Ethylene Glycol	CAS 107-21-1	15.0~25.0	OSHA PEL 127mg/m3 (TWA,Total dust) 26 mg / m3 (TWA,Respirable fraction) OSHA 29CFR1910. 1200 (1 %) Reportable	Eye Irrit.2 H319 Skin Irrit.2 H315
Propane-1-ol	CAS 71-23-8	5.0~10.0	OSHA PEL 200mg/m3 (TWA,Total dust) 500 mg / m3 (TWA,Respirable fraction) OSHA 29CFR1910. 1200 (1 %) Reportable	Eye Irrit.2 H319 Skin Irrit.2 H315
Urea	-----	5.0~15.0	NO PEL OSHA 29 CFR1910.1200 (1%) Reportable	
Dye	-----	1.0~3.0	NO PEL OSHA 29 CFR1910.1200 (1%) Reportable	
Sodium Dehydro acetate	CAS 4418-26-2	<1.0		
Water	-----	50.0~60.0		

Section4 First aid measure

4-1	Description of first aid measures	
	Eye contact	: Flush eyes thoroughly with water Seek medical attention if irritation persists
	Skin contact	: Wash contaminated areas with soap and water
	Inhaled	: Not applicable
4-2	Most important symptoms and effects, both acute and delayed	
	Eye contact	: No known significant effects or critical hazards
	Skin contact	: No known significant effects or critical hazards
	Inhaled	: No known significant effects or critical hazards
4-3	Indication of any immediate attention and special treatment needed	
	Swallowed	: Induce vomiting and call a doctor

Section5 Firefighting measures

5-1	Extinguishing media	:	No data available
5-2	Special hazards arising from the substance or mixture	:	No data available
5-3	Advice for firefighters	:	No data available Non flammable water based

Section6 Accidental release measures

6-1	Personal precautions, protective : equipment and emergency procedures	Steps to be taken in case material is released or spilled Soak up on paper or other absorbent and scoop into closed containers Flush area with plenty of water
6-2	Environmental precautions :	No data available
6-3	Methods and material for : containment and cleaning up	No data available
6-4	Reference to other sections :	No data available

Section7 Handling and storage

7-1	Precautions for safe handling :	Heat, light, moisture
	Special sensitivity :	Keep container closed, Store away traffic
	Precautions :	
7-2	Condition for safe storage, including any incompatibilities	
	Storage temperature :	Standard room temperature
7-3	Specific end use(s) :	No data available

Section8 Exposure control / personal protection

8-1	Control parameters		
	Respiratory protection	:	Not necessary
	Ventilation	:	Mechanical ventilation is acceptable
	Protective gloves	:	Rubber
	Eye protection	:	Goggles or safety glasses with side shields
8-2	Exposure controls		
	Other protective clothing or equipment	:	Impervious clothing where skin contact is unavoidable Eyewash station

Section9 Physical and chemical properties

9-1	Information on basic physical and chemical properties	
	Boiling point (°C)	: about 100 (°C)
	Melting point	: under 0 (°C)
	Vapor pressure (mmHg)	: No data available
	Vapor density	: No data available
	Solubility in water	: Complete
	Specific gravity	: 1.08
	Evaporation rate	: No data available
	PH	: 5.0-8.0
	Appearance and odor	: Colored liquid, with mild odor
9-2	Other information	: No data available

Section10 Stability and reactivity

10-1	Reactivity	: None known
10-2	Chemical stability	: Stable
10-3	Possibility of hazardous reaction	: None known
10-4	Condition to avoid	: None known
10-5	Incompatible materials	: Oxidizing materials and strong acid
10-6	Hazardous decomposition products	: Oxides of carbon and nitrogen

Section11 Toxicological information

11-1	Information on toxicological effects	: No information available
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Section12 Ecological information

12-1	Toxicity	: No information available
12-2	Persistence and degradability	: No information available
12-3	Bioaccumulative potential	: No information available
12-4	Mobility in soil	: No information available
12-5	Result of PBT and vPvB assessment	: No information available
12-6	Other adverse effect	: No known significant effects or critical hazards

Section13 Disposal considerations

13-1	Waste treatment method	: Waste shall be disposed in accordance with federal, state and local environmental control regulations.
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Section14 Transport information

14-1	UN number	: No information available
14-2	UN proper shipping name	: No information available
14-3	Transport hazard class(es)	: No information available
14-4	Packing group	: No information available
14-5	Environment hazards	: No information available
14-6	Special precautions for user	: Keep bottle closed with cap, (Do not leak ink)

Section15 Regulation information

15-1 and 15-2	Safety, health and environmental regulations/legislation specific for the substance or mixture	Occupational Safety and Health Act. Chemical Substances Control Law — hazardous materials and hazardous substances should be notified. Priority assessment chemical substance comes under number 105 of subsection 5, section 2.
	Chemical safety assessment	

Section16 Other information

Full text of classifications [CLP/GHS]	:	Eye Irrit.2 , H319	SERIOUS EYE DAMEGE / EYE IRRITAION - Category 2
	:	Skin Irrit.2 , H315	SKIN CORROSION / IRRITATION - Category 2
Date of issue	:	23-Aug-16	
Date of previous issue	:	17-Jul-16	