

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
B9586YA	B9586YA(Standard)	RED
B9586YB	B9586YB(Standard)	GREEN
B9586YC	B9586YC(Standard)	BLUE
B9586YD	B9586YD(Standard)	BROWN
B9586YE	B9586YE(Standard)	BLACK
B9586YF	B9586YF(Standard)	PURPLE
B9586YG	B9586YG(Standard)	ORANGE
B9586YH	B9586YH(Standard)	RED-VIOLET

Parts No.	Product Name in Safety Data Sheet	Color
B9586YR	B9586YA(Standard)	RED
	B9586YB(Standard)	GREEN
	B9586YC(Standard)	BLUE
	B9586YD(Standard)	BROWN
B9586YS	B9586YA(Standard)	RED
	B9586YB(Standard)	GREEN
	B9586YC(Standard)	BLUE
	B9586YD(Standard)	BROWN
	B9586YE(Standard)	BLACK
	B9586YF(Standard)	PURPLE
B9586YT	B9586YA(Standard)	RED
	B9586YB(Standard)	GREEN
	B9586YC(Standard)	BLUE
	B9586YD(Standard)	BROWN
	B9586YE(Standard)	BLACK
	B9586YF(Standard)	PURPLE
	B9586YG(Standard)	ORANGE
	B9586YH(Standard)	RED-VIOLET

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

Product/Ingredient name	Identifier	%	OSHA(US)	Regulation(EC) No. 1272/2008[CLP]
Glycerine	CAS 56-81-5	30.0~35.0	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	8.0~13.0	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
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 acture and delayed	
	Eye contact	: No known significant effects or crtical hazards
	Skin contact	: No known significant effects or crtical hazards
	Inhaled	: No known significant effects or crtical hazards
4-3	Indication of any immediate attension and special treatment needed	
	Swallowed	: Induce vommiting and call a doctor

Section5 Firefighting measures

5-1	Extingushing 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	: Special sensitivity
	Special sensitivity	: Heat, light, moisture
	Precautions	: Keep container closed, Store away traffic
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 phsical 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 Chemical safety assessment	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.
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Section16 Other information

Full text of classifications [CLP/GHS]	:	Eye Irrit. 2 , H319	SERIOUS EYE DAMAGE / EYE IRRITATION - Category 2
	:	Skin Irrit. 2 , H315	SKIN CORROSION / IRRITATION - Category 2
Date of issue	:	23-Aug-16	
Date of previous issue	:	17-Jul-15	