



Product Information Data Sheet

Issued Date; December 13, 2016  
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Product Name (Chemical Name, Trade Name, etc.)

Pen

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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
B9543CL	B9543CL	RED
B9543CM	B9543CM	GREEN
B9577AK	B9577AK	BLACK
B9577AL	B9577AL	BLUE
B9577BJ	B9577BJ	GREEN
B9577BK	B9577BK	RED


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

# SAFETY DATA SHEET

## Section1 Identification of the Substance / Mixture and of the Company / Undertaking

1-1	Product Identifier Product name / Ink name	Product name B9543CL / B9543CM / B9577AL / B9577AK / B9577BJ / B9577BK /	Ink name SE-5 SG-2 SB-5 SK-31 SG-2 SE-5	Color RED GREEN BLUE BLACK GREEN RED
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 Address TEL FAX	Right Co,Ltd No12 Nishimizue 4 Edogawaku Tokyo 134-8642 Japan +81-3-3653-4320 +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 Classification according to Regulation(EC) No.1272/2008[CLP/GHS]	Dye / Water / Solvent Mixture 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
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Product/Ingredient name	Identifier	%	OSHA(US)	Regulation(EC) No. 1272/2008[CLP]
Glycerine	CAS 56-81-5	5.0~10.0	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	10.0~15.0	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	-----	75.0~85.0		

## **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	: 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 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	: 1.06
	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-16	