

**MATERIAL SAFETY DATA SHEET**  
(Required under OSHA's Hazard Communication Standard 29 CFR 1910.1200)

(XFVK-S/M)

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**IDENTITY (As Used on Label and List)**  
Pigma Pen 05/10 Black (XFVK-S#49, -M#49)

**Section I**

<b>Manufacturer's Name:</b> Sakura Color Products Corporation	<b>Telephone Number:</b> +81 (0)6 - 6910 - 8824 (Japan)
<b>Address:</b> 1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	<b>FAX Number:</b> +81 (0)6 - 6910 - 8834 (Japan)
<b>Published Date:</b> January 06, 2014	<b>Publisher:</b> Takahiro Shirai

**Section II - Hazardous Ingredients / Identity Information**

Hazardous Components	CAS No.	WT %	OSHA PEL	ACGIH TLV
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This product is approved by ACMI (The Art & Creative Material Institute, Inc.), and carries the "AP" seal of non-toxic approval in USA.

**Section III - Physical / Chemical Characteristics for Ink**

<b>Boiling Point:</b>	about 100°C	<b>Specific Gravity:</b> (H <sub>2</sub> O = 1 at 25°C)	1.0 -1.1
<b>Vapor Pressure: (mmHg)</b>	N.D.	<b>Melting Point:</b>	N.D.
<b>Vapor Density: (Air = 1)</b>	N.D.	<b>Evaporation Rate:</b> (Butyl Acetate = 1)	N.D.

**Solubility in Water**  
Soluble (except pigments)

**Appearance and Odor**  
No odor

**Section IV -Fire and Explosion Hazard Data**

<b>Flash Point (Method Uses):</b> N.D.	<b>Flammable Limits:</b> LEL: N.D.	UEL: N.D.
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**Extinguish Media:**

In case of fire, use water spray, foam or dry chemical powder.

**Special Fire Fighting Procedures:**  
No special mention

**Unusual Fire and Explosion Hazards:**

Toxic gases (carbon monoxide, nitrogen oxides and sulfur oxide) will form upon combustion.

N.A.: Not Applicable

N.D.: Not Determined

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## Section V - Reactivity Data

Stability	Unstable		Condition to avoid:
	Stable	●	
Incompatibility (Materials to avoid):			
Hazardous Decomposition or Byproducts:			
Hazardous Polymerization	May Occur		Condition to avoid:
	May not Occur	●	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?:	Yes	Skin?:	Yes	Ingestion?:	Yes
	Health Hazards (Acute and Chronic):	Unknown		Unknown		Unknown
Carcinogenic:	NTP? :	None	IARC Monographs? :	None	OSHA Regulated? :	None
Signs and Symptoms of Exposure: Not applicable in normal use.						
Medical Conditions Generally Aggravated by Exposure: Unknown						

## Emergency and First Aid Procedure:

Rout of Entry	Emergency procedures	Seek medical advice
Inhalation	Not applicable	<input type="checkbox"/>
Eyes	Gently rinse the affected eyes with clean water for at least 15 minutes.	<input checked="" type="checkbox"/>
Skin	Rinse with running water and soap.	<input type="checkbox"/>
Ingestion	If the victim stops breathing, wipe away any remaining material in the mouth and clear the airway and administer artificial respiration.	<input checked="" type="checkbox"/>

## Section VII - Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled. The ink is not spilled so that it soaked into the ink reservoir by normal handling. In the case of stuck to the skin, rinse with running water and soap.	
Waste Disposal Method: Follow all regulations in your country.	
Precautions to be taken in Handling and Storing:	Keep away high temperature or direct sunlight.
Other Precautions:	Keep away a strong acid.

## Section VIII - Control Measures

Respiratory Protection (Specify Type):		Not necessary	
Ventilation	Local Exhaust:	Special:	Not necessary
	Mechanical (General):	Other:	Not necessary
Protective Gloves:		Eye Protection:	
Not necessary		Not necessary	
Other Protective Clothing or Equipment: Not necessary			
Work / Hygienic Practices: In the case of stuck to the skin, rinse with running water and soap.			

This information herein is given good faith, but no warranty, expressed or implied is made.