

\*Pen Touch Marker\*

21326-XXXX

PEN TOUCH  
PMCXPK, XPMK, XPFK } 50.5% ...



Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

U.S. Department of Labor  
Occupational Safety and Health Administration  
Hazard Communication Form  
Form Approved  
OMB No. 1218-C072

IDENTITY (As Used on Label) Silver/White  
Sakura Pen-Touch Gold

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate this.

Section I

Manufacturer's Name <b>SAKURA COLOR PRODUCTS CORP.</b>	Emergency Telephone Number
Address (Number, Street, City, State, and ZIP Code) <b>6-20-1-Chome, Morinosiya-chuo, Chuo-ku.</b>	Telephone Number for Information <b>OSAKA (06) 910-8800</b>
<b>Osaka-City, Osaka Pref.</b>	Date Prepped <b>1992-04-24</b>
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Component (Specific Chemical Identity; Common Name(s))	%	CAS No.	OSHA PEL	ACGIH TLV	Other Limits Recommended
			OSHA PEL	ACGIH TLV	U.S.A.
ALUMINUM (#53)	0-10	7429-90-5		10mg/m <sup>3</sup>	OSHA, ACGIH
COPPER (#52)	0-20	7440-50-8		TWA 1mg/m <sup>3</sup>	OSHA, ACGIH
TITANIUM DIOXIDE (#50)	0-70	13463-67-7	15mg/m <sup>3</sup>	10mg(Ti)/m <sup>3</sup>	OSHA, ACGIH
BUTOXYETHANOL (#53)	0-10	111-76-2	TWA 50ppm	TWA 25ppm	OSHA, ACGIH
PROPYLENEGLYCOL METHYL ETHER	0-75	107-98-2		100ppm	OSHA, ACGIH FLAMMABLE

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Section III - Physical/Chemical Characteristics

Boiling Point	n.d.	Specific Gravity (H <sub>2</sub> O = 1)	1.1
Vapor Pressure (mm Hg.)	n.d.	Melting Point	n.d.
Vapor Density (AIR = 1)	n.d.	Evaporation Rate (Butyl Acetate = 1)	n.d.

Solubility in Water: Containing soluble components (principal solvent etc.)

Appearance and Odor: Color pen with a smell of ether

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	About 34°C (TAG CLOSED)	Flammable Limits	LEL n.d.	UEL n.d.
Extinguishing Media	CO <sub>2</sub> , Dry Chemical, Foam			
Special Fire Fight.	none			

Unusual Fire and Exp. CO<sub>2</sub>, Al (#53), H<sub>2</sub> (#53)

Item Numbers: 21326-1001, 21326-1005, 21326-1022, 21326-4051, 21326-4055, 21326-9012, 21326-9300, 21326-9310, 21326-9322

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	x	none

Incompatibility (Materials to Avoid) High Temperature, Fire, Direct Rays of The Sun, A Powerful Oxidizing Agent

Hazardous Decomposition or Byproducts

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	x	none

**Section VI — Health Hazard Data**

Routes of Entry Inhalation? **yes** Skin? **yes** Ingestion? **yes**

Health Hazards (Acute and Chronic) **n.d.**

Carcinogenicity NTP? IARC Monographs? OSHA Regulated?

(NTP, IARC Monograph, OSHA, other laws and regulations)

Signs and Symptoms of Exposure

Respiratory Irritation: stimulates eyes, mucous membrane, etc. Large amounts of ink's repeated contact with skin causes dermatitis.

Other Conditions: Normal use is supposed to cause no such condition; however, inhalation of highly concentrated vapor of this ink's chief ingredients produces anesthetic condition, and such longtime condition may have adverse effects upon liver and kidney.

Emergency and First Aid Procedures Inhalation: If he/she has subjective and objective symptoms, remove him/her to a place with fresh air and consult a doctor. Eyes: Irritation. Immediately wash eyes with large amounts of water for over 15 min. and consult a doctor. Skin: Irritation. Immediately wash with large amounts of water. If not removed, use soapy water etc. Intake: Consult a doctor.

Precautions for Safe Handling and Use

Be Careful in Case Material is Released or Spilled

When attached to other parts, wash out with soap, alcohol, etc.

Dumping by laws, regulations and standards of each central, state and local government.

Precautions for Handling and Storage After using, a cap should be tightly put on.

Don't put it in a place with rather high temperature.

**Section VIII — Control Measure:**

Respiratory Protection (Specify Type) It is supposed to be unnecessary in normal use; however, a point to which attention should be paid is that the permitted concentration of a main solvent, ACGIH, in air is 100 ppm.

Ventilation	Exhaust	Desirable	Special
	Mechanical (General)	Desirable	Other

Protective Goggles Unnecessary in normal use Eye Protection Unnecessary in normal use

Other Protective Clothing or Equipment

Work Hygienic Practices Take care not to attach it to eyes and skin and not to inhale vapor.

PLEASE NOTE: This product has been certified by the Art & Craft Material

Item Numbers: 21326-1001, 21326-1005, 21326-1022, 21326-4051, 21326-4052, 21326-4053, 21326-4054, 21326-4055, 21326-4056, 21326-4057, 21326-4058, 21326-4059, 21326-4060, 21326-4061, 21326-4062, 21326-4063, 21326-4064, 21326-4065, 21326-4066, 21326-4067, 21326-4068, 21326-4069, 21326-4070, 21326-4071, 21326-4072, 21326-4073, 21326-4074, 21326-4075, 21326-4076, 21326-4077, 21326-4078, 21326-4079, 21326-4080, 21326-4081, 21326-4082, 21326-4083, 21326-4084, 21326-4085, 21326-4086, 21326-4087, 21326-4088, 21326-4089, 21326-4090, 21326-4091, 21326-4092, 21326-4093, 21326-4094, 21326-4095, 21326-4096, 21326-4097, 21326-4098, 21326-4099, 21326-4100, 21326-4101, 21326-4102, 21326-4103, 21326-4104, 21326-4105, 21326-4106, 21326-4107, 21326-4108, 21326-4109, 21326-4110, 21326-4111, 21326-4112, 21326-4113, 21326-4114, 21326-4115, 21326-4116, 21326-4117, 21326-4118, 21326-4119, 21326-4120, 21326-4121, 21326-4122, 21326-4123, 21326-4124, 21326-4125, 21326-4126, 21326-4127, 21326-4128, 21326-4129, 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