

*\* Special Order \*  
Sakura Permapaque markers\**

15104750973 SAKURA OF AMERICA

21377-3001
- 4001
- 4501
- 5001

04-26-04v

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

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Stock numbers: (13 colors) (item code #XZPK-T)  
XZPK-T-12 brown, XZPK-T-19 red, XZPK-T-24 purple, XZPK-T-29 green, XZPK-T-J yellow, XZPK-T-35 blue, XZPK-T-49 black  
XZPK-T-5 orange, XZPK-T-50 white, XZPK-T-20 pink, XZPK-T-27 yellow green, XZPK-T-425 sky blue, XZPK-T-7 pale orange

**Section I**

Manufacturer's Name SAKURA COLOR PRODUCTS CORP.	Telephone Number 81-(0)6-910-8824(Japan)
Address 1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan	Fax Number 81-(0)6-910-8834(Japan)
	Date Prepared Nov., 11, 1993
	Signature of Preparer Takahiro Shirai

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

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

All colors of this product fulfill the requirement of the European Standard EN71-3.

V-3668

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

Boiling Point	about 100°C	Specific Gravity (H <sub>2</sub> O=1) (at 25°C)	1.04-1.18
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	Soluble (except pigments)		
Appearance and Odor	No Odor		

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

Flash Point (Method 55/59)	n.d.	Flammable Limits	LEL n.d., UEL n.d.
Extinguishing 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, sulfur oxide) will form upon combustion.~~

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n.d.: not applicable      n.d.=not determined

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XZPK-T-12 Brown, XZPK-T-19 red, XZPK-T-24 purple, XZPK-T-29 green, XZPK-T-3 yellow, XZPK-T-38 blue, XZPK-T-49 black, XZPK-T-5 orange, XZPK-T-50 white, XZPK-T-20 pink, XZPK-T-27 yellow green, XZPK-T-425 sky blue, XZPK-T-7 pale orange page 2 from 2

Section V-Reactivity Data

Stability	UNSTABLE	CONDITIONS TO AVOID
	STABLE	High temperature, Direct sunlight, Fire and Strong acid
Incompatibility information to avoid: It won't occur from normal handling.		
Hazardous Polymerization	MAY OCCUR	CONDITIONS TO AVOID
Other	MAY NOT OCCUR	

Section VI-Health Hazard Data

Route(s) of Entry	Inhalation	YES	Skin	YES	Ingestion	YES
Health Hazard/Acute and Chronic: Unknown						
Carcinogenicity: None						
IARC Monographs: None						
OSHA Regulated: None						
Signs and Symptoms of Exposure: Not applicable in normal use.						
Medical Conditions Aggravated by Exposure: Unknown						
Emergency and First Aid Procedures:						

Routes 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 inkreservior by normal handling.
In case of stuck to the skin, rinse with running water and soap.	
Waste disposal methods	Follow all regulations in your country.
Precautions to be taken in handling and storage	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	Not necessary	Special	Not necessary
	Mechanical (General)	Not necessary	Other	Not necessary
Protective Gloves	Not necessary	Eye Protection	Not necessary	
Other Protective Clothing or Equipment: Not necessary				

Item Numbers: 21377-3001, 21377-4001, 21377-4501, 21377-5001 In case of stuck to the skin, rinse with running water and soap. Page 2 of 2

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