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NO.059 P001

21308-XXXX

MATERIAL SAFETY DATA SHEET

IDENTITY(As Used on Label and List)

PIGMA BRUSH (XSDX-PR) #18, #20, #24, #21, #19, #12, #5, #49, #3, #117

Section I

Manufacturer's Name SAKURA COLOR PRODUCTS CORP.	Emergency Telephone Number
Address 1-6-20, MORINOMIYA CHUO, CHUO-KU, OSAKA, 540 JAPAN	Telephone Number for Information (06)010-8800
	Date Prepared 13 Mar. 1985
	Signature of Preparer Seiji Tsumura

Section II-Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits Recommended	%
PIGMENT	15mg/m ³ (Nuisance dust)			5 - 10 (INK)
ETHYLENE GLYCOL	III B	CL 50ppm(VAPOR)		10 - 25 (INK)
CARBON BLACK (#49)	III B	3.5mg/m ³	IARC(group-3)	1 - 10 (INK)

Section III-Physical/Chemical Characteristics

Boiling Point	ABOUT 100°C(INK)	Specific Gravity(H ₂ O=1)	(at 25°C)	1.04 - 1.18(INK)
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)(INK)			
Appearance and Odor	Water based marker with no odor			

Section IV-Fire and Explosion Hazard Data

Flash Point(Method Used)	n.d.(118°C<)(INK)	Flammable Limits	LEL n.d.	UEL n.d.
Extinguishing Media	water, fog, foam, CO ₂			
Special Fire Fighting Procedures	none			
Unusual Fire and Explosion Hazards	none			

n.a.: not applicable

n.d.=not determined

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~~XSX-BK~~**Section V-Reactivity Data**

Stability	Unstable		Conditions to avoid
	Stable	●	

(Incompatibility)(Materials to avoid) Direct sunlight, high temperature for long time, fire or strong acid

Hazardous Decomposition or Byproducts It won't occur from normal handling.

Hazardous Polymerization	May Occur		Conditions 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) This product is approved by ACMI(The Art and Creative Materials Institute).

and carries the "AP" seal of non-toxic approval in America.

Carcinogenicity: none NTP? IARC Monograph? OSHA Regulated?

Signs and symptoms of Exposure Headache,dizziness or nausea will happen after long time exposure.

Medical Conditions Generally Aggravated by Exposure unknown

Emergency and First Aid Procedures Eye:Irritation is given. Immediately flush eyes with copious amounts of running water(for 15 minutes),if necessary see an oculist. Inhalation:Vapor gives irritation to the respiratory organs. If he/she has subjective and objective symptoms, move him/her to a place with fresh air, and consult a doctor.

Skin:Wash well with soapy water.Intake:See a doctor for medical advice.

Section VII-Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled The ink is not soaked into the ink-reservoir, but it is not spilled by normal handling.In case of stucked,rinse with soap and water or wipe off with alcohol etc.

Waste Disposal Method Incinerate under safe conditions or dispose of in accordance with Federal,state's or local regulation.

Precautions to Be Taken in Handling and Storage After using,close the cap tightly.Avoid putting it on a place with high temperature.

Other Precautions

Section VIII-Control Measures

Respiratory Protection(Specify Type) Unnecessary in normal use

Ventilation	Local Exhaust	Desirable	Special	Unnecessary in normal use
	Mechanical(General)	Desirable	Other	Unnecessary in normal use

Protective Gloves Unnecessary in normal use Eye Protection Unnecessary in normal use

Other Protective Clothing or Equipment Not necessary

Work/Hygiene Practices Avoid putting it on the eyes and skin and inhaling vapor.