

(conforms to 91/155/EEC)

Commercial product name: Pen-Touch, Medium Point

Product No: XPFK

Date: Jan., 24, 2001

Date of revision: Nov., 15, 2008

Producer/supplier: Sakura Color Products Corp.(Producer) / Bruynzeel Sakura bv (supplier)

1 Identification of the substance / preparation and of the company / undertaking

1.1 Identification of the substance or preparation:

Trade name: Pen-Touch, Medium Point

Article number: XPFK

Color : White, Gold, Silver (3 Colors)

1.2 Use of the substance/preparation:

Solvent based marker

1.3 Company/undertaking identification:

Bruynzeel Sakura bv

Potlodenlaan 3, Postbus 110, 4600 AC Bergen op Zoom, Netherlands

Tel: 31-164-21-4478

Fax: 31-164-21-4479

1.4 Emergency Telephone (Sakura Color Products Corp.[Japan])

Tel: 81-(0)6-6910-8824

Fax: 81-(0)6-6910-8834

2 Composition / information on ingredients for Ink

·Description: ○ substance ● preparation

·Dangerous components:

EINECS No	CAS No.	Designation	%	Index	R-phrase
203-624-3	108-87-2	Methylcyclohexane	0-20	F, Xn, N	R11, R65, R38, R67, R51-53
203-539-1	107-98-2	1-Methoxy-2-propanol	0-79	-	R10
231-072-3	7429-90-5	Aluminum powder	0-7	F	R15, R10
231-175-3	7440-66-6	Zinc powder	0-9	F	R15, R10

Mixture of the substances listed above with harmful additions.

3 Hazards identification for Ink

·Hazard designation : F Highly flammable, Xn Harmful N Dangerous for the environment

Highly flammable. Harmful: may cause lung damage if swallowed.

Vapours may cause drowsiness and dizziness.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4 First-aid measures

·Inhalation: If he/she has subjective and objective symptoms, move him/her to a place fresh air, and consult a doctor.

·Eye: Wash the eyes immediately with large amounts of running water for over 15 minutes, and see a doctor for medical advice.

·Ingestion: Immediately consult a doctor.

·Skin: Wash with soap and water.

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5 Fire-fighting measures

- Suitable extinguishing media: In case of fire, use water spray, foam or dry chemical powder.
- For safety reasons unsuitable extinguishing media: None
- Protective equipment: No special measures required

6 Accidental release measure

- Person-related safety precautions: Removal of ignition source
Provision of sufficient ventilation/ respiratory protection
- Measures for environmental protection: No relevant information found.
- Measures for cleaning/collecting: Wipe with cloth.

7 Handling and storage**7.1 Handling**

- Information for safe handling: Keep ventilate while using.
- Information about protection against explosions and fires: Keep ignition sources away.

7.2 Storage:

- Requirements to be met by storerooms and containers:
- Materials to Avoid - High temperature, Fire, Direct rays of the sun, and A Powerful oxidizing agent

7.3 Specific use(s)

-

8 Exposure controls and personal protection**8.1 Exposure limit values:**

CAS No.	Designation of material	%	OSHA PEL	ACGIH TLV
108-87-2	Methylcyclohexane	0-20	TWA 500ppm	TWA 400ppm
107-98-2	1-Methoxy-2-propanol	0-79	-	TWA 100ppm, STEL 150ppm

8.2 Exposure controls:

- General protective and hygienic measures: Unnecessary in normal use
- Breathing equipment: Unnecessary in normal use
- Protection of hands: Unnecessary in normal use
- Eye protection: Unnecessary in normal use
- Skin protection: Unnecessary in normal use

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9 Physical and chemical properties for Ink

9.1 General information

appearance:

form: Liquid

color: Same as 1.1(3 colors)

odor: Hydrocarbon odor (Gold) / Ether odor(Silver, White)

9.2 Important health, safety and environmental information

pH: Not applicable

Boiling point / boiling range: No data

Flash point: 10-32°C

Flammability (solid, gas): Flammable

Explosive properties: None

Oxidising properties: None

Vapour pressure: No data

Solubility:

water solubility: Insoluble

fat solubility (solvent – oil to be specified): Soluble (except pigments)

Partition coefficient: n-octanol /water: No data

Viscosity: No data

Vapour density: No data

relative density: 1 < g/cm³ (at 25°C)

Evaporation rate: No data

9.3 Other information

Melting point: No data

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10 Stability and reactivity

10.1 Conditions to avoided

High temperature, Direct sunlight, Fire

10.2 Materials to avoided

Strong acid and base

10.3 Hazardous decomposition products

No dangerous decomposition products known

11 Toxicological information

- Acute toxicity: May cause lung damage if swallowed. Vapours may cause drowsiness and dizziness.
- Chronic toxicity: None
- Primary irritant effect:
 - On the skin: Irritating to skin.
 - On the eye: None
- Sensitization: No sensitizing effect known

12 Ecological information

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13 Disposal considerations

Incinerate under safe conditions or dispose of in accordance with local regulations.
Don't burn even when empty.

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14 Transport information

GGVsea/IMDG-Code: Not applicable

Page-No.of IMDG-Code: Not applicable

UN-No.: Not applicable

ICAO/IATA-Code: Not applicable

Packing instructions for air flight: Not applicable

GGVE/GGVS(Germany): Not applicable

RID/ADR(EC): Not applicable

Packing group: Not applicable

EmS-No.(Emergency schedule): Not applicable

MFAG-table no: Not applicable

Marking/label: Not applicable

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15 Regulatory information for Ink

15.1 Classification, packaging and labeling of dangerous substances and preparations according to EC-Directives.: 1999/45/EC

- Code letter and hazard designation of product: F Highly flammable, Xn Harmful
N Dangerous for the environment
- Risk phrases: Highly flammable. Harmful: may cause lung damage if swallowed.
Vapours may cause drowsiness and dizziness.
Toxic to aquatic organisms, may cause long-term adverse effects
in the aquatic environment.
- Safety phrase: Keep out of the reach of children. Keep container in a well-ventilated place.
Keep away from sources of ignition – No smoking.
Take precautionary measures against static discharge.
Avoid release to environment. Refer to special instructions / safety data sheets.
If swallowed, do not induce vomiting: seek medical advice immediately
and show this container or label.
- Product contains: Methylcyclohexane

15.2 Further information: No relevant information found.

National regulations: No relevant information found.

Marine pollution class: No relevant information found.

16 Other information

< Methylcyclohexane >

Highly flammable. Harmful: may cause lung damage if swallowed. Irritating to skin.

Vapours may cause drowsiness and dizziness.

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

< 1-Methoxy-2-propanol >

Flammable.

< Aluminum powder >

Flammable. Contact with water liberates extremely flammable gases.

< Zinc powder >

Highly flammable. Contact with water liberates extremely flammable gases.

Spontaneously flammable in air.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

* This SDS was changed on the basis of Commission Directive 2001/58/EC.

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