

(conforms to 91/155/EEC)

Commercial product name: Pen-Touch Silver, Extra Fine Point

Product No: 41102

Date: Jan., 19, 2005

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 Silver, Extra Fine Point

Article number: 41102

Color : Silver

## 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
203-539-1	107-98-2	1-Methoxy-2-propanol	78	-	R10
231-072-3	7429-90-5	Aluminum powder	6	F	R15, R10

Mixture of the substances listed above with harmful additions.

## 3 Hazards identification for Ink

·Hazard designation : Flammable

## 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
107-98-2	1-Methoxy-2-propanol	78	-	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: Silver

odor: Ether odor

### 9.2 Important health, safety and environmental information

pH: Not applicable

Boiling point / boiling range: No data

Flash point: 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/cm<sup>3</sup> (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: None

·Chronic toxicity: None

·Primary irritant effect:

·On the skin: None

·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: Flammable

·Risk phrases: Flammable

·Safety phrase: Keep out of the reach of children.  
Avoid contact with skin.

·Product contains: -

### 15.2 Further information: No relevant information found.

National regulations: No relevant information found.

Marine pollution class: No relevant information found.

## 16 Other information

< 1-Methoxy-2-propanol >  
Flammable.

< Aluminum powder >  
Flammable. Contact with water liberates extremely flammable gases.

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