

EC-Safety Data Sheet

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(conforms to 91/155/EEC)

Commercial product name: Pen-Touch M 140

Product No: SAKURA 140

Date: Jan., 24, 2001

Date of revision: Jul.,13, 2002

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 M 140

Article number : SAKURA 140

Color : Black, Red, Blue, Green (4 Colors)

1.2 Use of the substance/preparation:

Solvent based marker

1.3 Company/undertaking identification:

Bruynzeel Sakura bv

Potlodenlaan 3, Postbus 110, Chuo-ku, Osaka, 4600 AC Bergen op Zoom, Holland

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

Description: substance preparation

Mixture of the substances listed below with harmful additions.

Dangerous components:

EINECS No	CAS No.	Designation	%	Index	R-phrase
215-535-7	1330-20-7	Xylene	52-68	Xn	R10, R20/ 21, R38
203-804-1	110-80-5	2-Ethoxyethanol	0-12	T	R60-61, R10, R20/21/22
201-148-0	78-83-1	2-Methylpropan-1-ol	0-10	Xi	R10, R37/38, R41, R67
203-905-0	111-76-2	2-Butoxyethanol	0-10	Xn	R20/21/22, R36/38
203-685-6	109-59-1	2-Isopropoxyethanol	0-11	Xn	R20/21, R36
204-211-0	117-81-7	bis(2-ethylhexyl) phthalate	0- 3	T	R60-61

3 Hazards identification for Ink

Hazard designation : T Toxic, Flammable

May impair fertility. May cause harm to the unborn child. Risk of serious damage to eyes.

Harmful by inhalation and in contact with skin. Irritating to skin. 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 foam or dry chemical powder.

For safety reasons unsuitable extinguishing media: Water

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 : The ink is not spilled so that it soak into the ink reservoir
by normal handling

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
1330-20-7	Xylene	52-68	TWA 1000ppm	TWA 100ppm, STEL 150ppm
110-80-5	2-Ethoxyethanol	0-12	TWA 200ppm	TWA 5ppm
78-83-1	2-Methylpropan-1-ol	0-10	TWA 100ppm	TWA 50ppm
111-76-2	2-butoxyethanol	0-10	TWA 50ppm	TWA 25ppm
109-59-1	2-Isopropoxyethanol	0-11	-	TWA 25ppm

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(4 colors)

odor: Aromatic odor

9.2 Important health, safety and environmental information

pH: Not applicable

Boiling point / boiling range: No data

Flash point: No data

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

Partition coefficient: n-octanol /water: No data

Viscosity: No data

Vapour density: No data

relative density : $1 < \text{g/cm}^3$ (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 for Ink

Acute toxicity: Harmful by inhalation and in contact with skin.

Chronic toxicity : May impair fertility. May cause harm to the unborn child.

Primary irritant effect:

On the skin: Irritating to skin.

On the eye: Risk of serious damage to eyes.

Sensitization: No sensitizing effect known

12 Ecological information

No relevant information found.

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, 76/769/EEC

Code letter and hazard designation of product: T Toxic, Flammable

Risk phrases: May impair fertility. May cause harm to the unborn child.

Harmful by inhalation and in contact with skin. Flammable

Irritating to skin. Risk of serious damage to eyes.

Safety phrase: Restricted to professional users. Attention – Avoid exposure – obtain special instructions before use.

In case of accident or if you feel unwell, seek medical advice immediately.

(show the label where possible).

Avoid contact with eyes. Wear suitable p gloves and eye/face protection.

In case of contact with eye, rinse immediately with plenty of water and seek medical advice.

Product contains: Xylene, 2-Ethoxyethanol, 2-Methylpropan-1-ol, bis(2-ethylhexyl) phthalate

15.2 Further information: No relevant information found.

National regulations: No relevant information found.

Marine pollution class: No relevant information found.

16 Other information

< Xylene >

Harmful by inhalation and in contact with skin. Irritating to skin. Flammable.

< 2-Ethoxyethanol >

May impair fertility. May cause harm to the unborn child. Flammable.

Harmful by inhalation, in contact with skin and if swallowed.

< 2-Methylpropan-1-ol l >

Irritating to respiratory system and skin. Flammable.

Risk of serious damage to eyes. Vapours may cause drowsiness and dizziness.

< 2-Butoxyethanol >

Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes and skin.

< 2-Isopropoxyethanol >

Harmful by inhalation and in contact with skin. Irritating to eyes.

< bis(2-ethylhexyl) phthalate >

May impair fertility. May cause harm to the unborn child.

* 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.