

(conforms to 91/155/EEC)

Commercial product name: Solid Marker Low Temperature Version

Product No: XSC-T

Date: Feb., 25, 2003

Date of revision: Sep., 14, 2011

Producer/supplier: Sakura Color Products Corp.

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

1.1 Identification of the substance or preparation:

Trade name: Solid Marker Low Temperature Version

Article number: XSC-T

Color : Black, White, Red, Blue, Green, Yellow (6 Colors)

1.2 Use of the substance/preparation:

Solvent based solid marker

1.3 Company/undertaking identification:

Sakura Color Products Corp.

1-6-20, Morinomiya Chuo, Chuo-ku, Osaka, 540-8508 Japan

Tel: 81-(0)6-6910-8824 Fax: 81-(0)6-6910-8834

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
203-905-0	111-76-2	2-Butoxyethanol	26-28	Xn	R20/21/22, R36/38
225-878-4	5131-66-8	3-Butoxypropan-2-ol	10-17	Xi	R36/38

Mixture of the substances listed above with harmful additions.

3 Hazards identification for Ink

·Hazard designation : Xn Harmful

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

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: Sweep up, place in a bag and hold for waste disposal.

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)

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

CAS No.	Designation of material	%	OSHA PEL	ACGIH TLV
111-76-2	2-Butoxyethanol	26-28	TWA 50ppm	TWA 25ppm
5131-66-8	3-Butoxypropan-2-ol	10-17	-	-

8.2 Exposure controls:

- General protective and hygienic measures: Wash hands during breaks and at the end of the work.
- 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: Solid

color: Same as 1.1(6 colors)

odor: Ether odor

9.2 Important health, safety and environmental information

pH: Not applicable

Boiling point / boiling range: c.a. 180°C

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 (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: ca. 140°C

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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: Harmful by inhalation, in contact with skin and if swallowed
- Chronic toxicity: None
- Primary irritant effect:
 - On the skin: Irritating to skin
 - On the eye: Irritating 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.

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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: Xn Harmful

·Risk phrases: Harmful by inhalation, in contact with skin and if swallowed.
Irritating to eyes and skin.

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·Safety phrase: If swallowed, seek medical advice immediately and show this container or label.
Wear suitable protective clothing and gloves.
Keep out of the reach of children.

·Product contains: 2-butoxyethanol

15.2 Further information: No relevant information found.

National regulations: No relevant information found.

Marine pollution class: No relevant information found.

16 Other information

< 2-Butoxyethanol >

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

Irritating to eyes and skin.

< 3-Butoxypropan-2-ol >

Irritating to eyes and skin.

* 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.