

(conforms to 91/155/EEC)

Commercial product name: Extra Broad Marker

Product No: XJGKS

Date: May, 08, 1998

Date of revision: Jan., 10, 2014

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: Extra Broad Marker

Article number: XJGKS

Color : Black, Red, Blue, Green, Yellow, Orange, Purple, Brown (8 Colors)

**1.2 Use of the substance/preparation:**

Solvent based 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
203-539-1	107-98-2	1-Methoxy-2-propanol	55-57	-	R10, R67
200-578-6	64-17-5	Ethanol	20-24	F	R11
200-661-7	67-63-0	Isopropanol	0- 4	F, Xi	R11, R36, R67

Mixture of the substances listed above with harmful additions.

**3 Hazards identification for Ink**

·Hazard designation : Flammable

Vapours may cause drowsiness and dizziness. 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: 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
107-98-2	1-Methoxy-2-propanol	55-57	-	TWA 100ppm, STEL 150ppm
64-17-5	Ethanol	20-24	TWA 1000ppm	TWA 1000ppm
67-63-0	Isopropanol	0- 4	TWA 400ppm	TWA 400ppm

**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(8 colors)

odor: Ether odor

### 9.2 Important health, safety and environmental information

pH: Not applicable

Boiling point / boiling range: No data

Flash point: 22-23°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

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 for Ink

- Acute toxicity: Vapours may cause drowsiness and dizziness.
- Chronic toxicity: None
- Primary irritant effect:
  - On the skin: None
  - On the eye: None
- 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: Flammable

·Risk phrases: Flammable

Vapours may cause drowsiness and dizziness.

·Safety phrase: Keep out of the reach of children.

·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

&lt; 1-Methoxy-2-propanol &gt;

Flammable.

Vapours may cause drowsiness and dizziness.

&lt; Ethanol &gt;

Highly flammable.

&lt; Isopropanol &gt;

Highly flammable.

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

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