

# EC-Safety Data Sheet

(conforms to 91/155/EEC)

Commercial product name: Pigma 005/01/02/03/04/08	
Product No: XSDK 005/01/02/03/04/08	Date: Jan., 30, 2001
Date of revision: Jul., 19, 2002	
Producer/supplier: Sakura Color Products Corp.(Producer) / Bruynzeel Sakura bv (supplier)	

<b>1 Identification of the substance / preparation and of the company / undertaking</b>
1.1 Identification of the substance or preparation: Trade name : Pigma 005/01/02/03/04/08 Article number : XSDK 005/01/02/03/04/08 Color : Black, Red, Blue, Green (4 Colors)
1.2 Use of the substance/preparation: Water 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

<b>2 Composition / information on ingredients</b>																		
Description: <input type="radio"/> substance <input checked="" type="radio"/> preparation																		
Mixture of the substances listed below with harmful additions.																		
Dangerous components:																		
<table border="1"><thead><tr><th>EINECS No</th><th>CAS No.</th><th>Designation</th><th>%</th><th>Index</th><th>R-phrase</th></tr></thead><tbody><tr><td>203-473-3</td><td>107-21-1</td><td>Ethanediol</td><td>0-23</td><td>Xn</td><td>R22</td></tr><tr><td>203-872-2</td><td>111-46-6</td><td>2,2'-oxybisethanol</td><td>0-10</td><td>Xn</td><td>R22</td></tr></tbody></table>	EINECS No	CAS No.	Designation	%	Index	R-phrase	203-473-3	107-21-1	Ethanediol	0-23	Xn	R22	203-872-2	111-46-6	2,2'-oxybisethanol	0-10	Xn	R22
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<b>3 Hazards identification for Ink</b>
Hazard designation : Xn Harmful Harmful if swallowed.

<b>4 First-aid measures</b>
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 : Not applicable.

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 : Not applicable

Information about protection against explosions and fires : Not required.

### 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
107-21-1	Ethanediol	0-23		STEL 100g/m3

### 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: No odor

### 9.2 Important health, safety and environmental information

pH: 8 –11

Boiling point / boiling range: ca. 100°C

Flash point: No data

Flammability (solid, gas): None

Explosive properties: None

Oxidising properties: None

Vapour pressure: No data

Solubility:

water solubility: Soluble(except pigments)

fat solubility (solvent – oil to be specified): Insoluble

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: Harmful if swallowed.

Chronic toxicity : None

Primary irritant effect: None

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: Xn Harmful

Risk phrases: Harmful if swallowed.

Safety phrase: Keep out of the reach of children.

If swallowed, seek medical advice immediately and show this container or label.

Product contains: Ethanediol, 2,2'-oxybisethanol

15.2 Further information: No relevant information found.

National regulations: No relevant information found.

Marine pollution class: No relevant information found.

## 16 Other information

< Ethanediol >

Harmful if swallowed.

< 2,2'-oxybisethanol >

Harmful if swallowed.

\* 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.