

# SAFETY DATA SHEET

According to EC Directive 2001/58/EC

## Hybrid Ink

Version 1.0  
Date of Issue: 02/26/2004  
Revised: 06/15/2009

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Hybrid Ink  
Application: Stamp Ink  
Manufacturer: Pro ColorFlex Ink Corporation  
3588 Arden Road  
Hayward, CA 94545  
USA  
Phone: 510-293-3033  
Fax: 510-293-3038  
sales@procolorflex.com  
Emergency Telephone: 510-293-2033

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component/substance	CAS number	% by weight	EU Number	EU Classification
Butyl Carbitol	00112-34-5	<65	203-961-6	Xi, R36
Diethylene Glycol	111-46-6	<25	203-872-2	Xn: R22
Chrome Complex	Proprietary	<10	Proprietary	

Other Non Hazardous ingredients below reportable levels.

### 3. HAZARDS IDENTIFICATION

Emergency Overview	Contact with skin and eyes may result in irritation. Harmful if swallowed.
Acute Health Effects	Any potential hazards are presumed to be due to exposure to the components.
Skin Contact	Contact with skin may result in irritation
Eye Contact	Irritating to eyes.
Inhalation	Inhalation may result in respiratory irritation.
Ingestion	(Diethylene Glycol) Harmful if swallowed. May cause kidney and liver damage.
Routes of Exposure	Potential routes of overexposure to this product are skin and eye contact.  Ingestion is not expected to be a primary route of exposure for this product under normal Use conditions.

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Chronic health effects	None known.
Carcinogenicity	None of the components in this product at concentrations greater than 0.1% are listed by IARC: NTP, OSHA or ACGIH as a carcinogenic.

### 4. FIRST AID MEASURES

#### First aid procedures

##### Eye:

Do not rub eyes; Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists, get medical attention.

##### Skin:

Wash with soap and water.

##### Inhalation:

Remove to fresh air. If symptoms persist, get medical attention.

##### Ingestion:

If ingestion of a large amount does occur, seek medical attention.

### 5. FIRE-FIGHTING MEASURES

Flash point: >250 °F Pensky-Martens Closed Cup

Flammable limits: N/A

Extinguishing media: Water fog, CO<sub>2</sub>, foam or dry chemical.

Special firefighting procedures: Normal firefighting procedures may be used.

Unusual fire and explosion hazards: No special requirements. Container may burn and leak in heat of fire

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions:

Wear appropriate personal protective equipment.

#### Environmental Precautions:

Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

#### Procedure if material is released or spilled:

Soak up with inert absorbent material. Slowly vacuum or sweep the material into a plastic bag or other sealed container. Dispose in compliance with Local, State and Federal regulations.

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### 7. HANDLING AND STORAGE

Handling:

Avoid contact with eyes and prolonged contact with skin.

Storage:

Keep out of reach of children. Keep away from excessive heat or cold.

Hazardous polymerization:

Will not occur.

Stability:

Stable.

Incompatibility:

Avoid contact with strong oxidizing agents.

Conditions to avoid:

None known.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values:

Exposure limit values have not been established for this product.

United Kingdom – Occupational Exposure Standards – TWAs

Butyl Carbitol      112-34-5      100 mg/m<sup>3</sup> TWA

Diethylene Glycol      111-46-6      23 ppm TWA; 101 mg/m<sup>3</sup> TWA

Personal protective equipment:

General:

Use personal protective equipment to minimize exposure to skin and eyes.

Hygiene measures:

Handle in accordance with good industrial hygiene and industry practices.

Exposure guidelines:

Use in a well ventilated area.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:  
Colored liquid.

Colour:  
Dark Brown

Odour:  
Mild glycol

pH Value:  
Neutral

Boiling range:  
250 – 300 °C

Flash point:  
>250 °F

Flammability:  
Not determined

Solubility in water:  
Partially soluble

Specific gravity:  
1 – 1.3

Vapor density:  
>1 (Air=1.0)

### 10. STABILITY AND REACTIVITY

Stability:  
Stable under recommended storage conditions.

Hazardous polymerization:  
Will not occur.

Incompatibility:  
Incompatible with strong bases and oxidizing agents.

### 11. TOXICOLOGICAL INFORMATION

Complete toxicity data are not available for this specific formulation. Refer to Section 3 for potential health effects and Section 4 for first aid measures.

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### Dermal irritation:

Not classified for dermal irritation according to EU Directive 67/548/EEC and 1999/45/EC.

### Eye irritation:

Butyl Carbitol: Eye irritant.

### Sensitization:

Not classified for sensitization according to EU Directive 67/548/EEC and 1999/45/EC.

### Oral Toxicity:

Butyl Carbitol: LD50/oral/rat >2000mg/kg (OECD 401)

Based on components.

### Dermal toxicity:

Butyl Carbitol: LD50/dermal/rabbit/ >2000 mg/kg (OECD 402)

Based on components.

## 12. ECOLOGICAL INFORMATION

### Aquatic toxicity:

#### Fish

LC50 Leuciscus = >100 mg/L

LC50/96h/fathead minnows = >750mg/L

#### Microorganisms

Bacteria/3 h/LC50; >100 mg/l (OECD 209)

#### Daphnia

EC50 Daphnia magna: >100 mg/l

#### Algae

EC50 Scenedesmus subspicatus : 100 mg/l

## 13. DISPOSAL CONSIDERATIONS

### Disposal instructions:

Dispose of in compliance with local, state and federal regulations.

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### 14. TRANSPORT INFORMATION

General: Not a regulated item under United States DOT, IATA, ADR, IMDG, or RID.

IATA

Proper shipping name:	Not Applicable
Hazard Class:	Not Applicable
Packaging Exceptions:	None
Identification Number (UN)	None
Packing Group:	Not Applicable

### 15. REGULATORY INFORMATION

EU Classification and labeling:

Xi – Irritant

Xn – Harmful

Contains Diethylene Glycol.

Risk Phrases: R36 Irritating to eyes  
R22 Harmful if swallowed

Safety phrases: S2 Keep out of reach of children.

### 16. OTHER INFORMATION

Other information:

This MSDS was prepared in compliance with EU Directive 91/155/EEC as amended by 2001/58/EC.

Issue date: 10-February-2009

Revision: This is first issue.