

# MATERIALS SAFETY DATA

## PATERSON PHOTOGRAPHIC

**REF: P-II PressKit****DATE: 05/04/02****ISSUE: 1****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY****1.1 Identification of the substance or preparation:****Product name: PHOTOCOLOR II DEVELOPER****Product use: Developing C41 Negatives****1.2 Company Identification:****Paterson Photographic Ltd  
4 Malthouse Road. Tipton,  
West Midlands, DY4 9AE,  
United Kingdom****Telephone: 0121 520 4830 Fax: 0121 520 4831****1.3 Company emergency telephone number: 0121 520 4830 (Daytime)****2. COMPOSITION/INFORMATION ON INGREDIENTS.****Hazardous Ingredient: Paraphenylene Diamine Derivative (CD-4)****CAS Number: 2546-77-9****Quantity: <2%****Hazard Classification: Xi-Irritant****Risk Phrases: R43 - May cause sensitisation by skin contact.****Safety Phrases: S2 - Keep out of reach of children  
S46 - If swallowed seek medical advice immediately  
and show the container or label.**

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**3. HAZARDS IDENTIFICATION****The product can cause skin irritation and allergic skin reaction. Vapours may cause irritation. Avoid contact with skin and eyes. Avoid breathing fumes or mists.**

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#### 4. FIRST AID MEASURES

**IN ALL CASES OF DOUBT OR IF SYMPTOMS PERSIST, SEEK MEDICAL ADVICE. SHOW PRODUCT LABEL AND SAFETY DATA SHEET.**

- 4.1 Eye contact: **Flush eyes immediately with plenty of running water for at least 15 minutes while holding the eyelids open. Seek medical attention at once.**
- 4.2 Skin contact: **Flush affected area with large amounts of water. Remove contaminated clothing and laundry before reuse. Seek medical advice if irritation or redness persists.**
- 4.3 Inhalation: **Move person to non-contaminated air. Call a doctor immediately.**
- 4.4 Ingestion: **Give several glasses of water to dilute contents of stomach. Get medical attention immediately.**
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#### 5 FIRE FIGHTING MEASURES

- 5.1 Suitable extinguishing media:

**The product is not classed as flammable (water based). If involved in a major fire, irritating toxic fumes or gases may be produced. Use suitable extinguishing media for the surrounding fire.**

- 5.2 Extinguishing media which must not be used for safety reasons:

**N/A**

- 5.3 Special exposure hazards:

**N/A**

- 5.4 Special protective equipment for fire fighters:

**Wear protective clothing and self contained respiratory equipment.**

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#### 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:

**When dealing with spillages, use the personal protection specified in section 8. Ensure spill area is well ventilated**

- 6.2 Environmental precautions:

**Prevent spillages from entering drain by absorption into inert absorbent material (e.g. dry sand or earth) and transfer to a container for disposal by a licensed waste contractor.**

- 6.3 Methods for cleaning up:

**After collecting the bulk of the spillage, thoroughly wash area to drain with water.**

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## 7 HANDLING AND STORAGE

### 7.1 Handling:

**Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using. Ensure adequate ventilation of the working area. Re-cap bottles after use.**

### 7.2 Storage:

**Store in a dry well ventilated area at a moderate temperature in the original containers. Ensure containers are securely re-capped after use.**

## 8 EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 Recommended engineering controls:

**Ensure good ventilation or local exhaust ventilation of the working area.**

### 8.2 Control parameters:

Hazardous Ingredient	Content	Long Term		Short Term	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>

**No relevant exposure limits.**

### 8.3 Monitoring procedures:

**No specific methods established.**

### 8.4 Recommended personal protection:

Eyes: **Wear safety glasses as the minimum level of protection.**

Hands: **Wear impervious gloves. Neoprene rubber is recommended.**

Skin: **Wear protective clothing appropriate for the risk of exposure.**

Respiration: **Not normally required. Use an approved respirator for large spillages.**

## 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	<b>Pale Pink liquid (darkens on storage)</b>
9.2	Odour:	<b>Slight</b>
9.3	pH (concentrate):	<b>10.2-10.8.</b>
9.4	Boiling point/boiling range:	<b>N/A</b>
9.5	Melting point/melting range:	<b>N/A</b>
9.6	Flash point:	<b>N/A</b>
9.7	Flammability:	<b>Not flammable</b>
9.8	Autoflammability:	<b>N/A</b>
9.9	Explosive properties:	<b>N/A</b>
9.10	Oxidising properties:	<b>N/A</b>
9.11	Vapour pressure:	<b>N/D</b>
9.12	Relative density:	<b>1.095</b>
9.13	Water solubility:	<b>Completely soluble</b>
9.14	Fat solubility:	<b>N/D</b>
9.15	Partition coefficient (n-octanol/water):	<b>N/D</b>
9.16	Other data:	

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## 10 STABILITY AND REACTIVITY

10.1	Stability:	<b>Stable under recommended storage conditions.</b>
10.2	Conditions to avoid:	<b>None known.</b>
10.3	Materials to avoid:	<b>None known.</b>
10.4	Hazardous decomposition:	<b>None known.</b>

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## 11 TOXICOLOGICAL INFORMATION

Eye contact:	<b>N/D for product. Probably severely irritating to eyes</b>
Skin contact:	<b>N/D for product. While no data is available for CD-4, the parent compound (paraphenylene diamine) is known to cause allergic reactions (skin &amp; lung) in people and is absorbed through the skin.</b>
Ingestion:	<b>N/D for product. CD-4 is highly toxic.</b>
Inhalation:	<b>N/D for product. Inhalation of mists may cause irritation of the upper respiratory tract.</b>

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## 12 ECOLOGICAL INFORMATION

**N/D**

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## 13 DISPOSAL CONSIDERATIONS

- 13.1 Disposal of material:
- Disposal should be in accordance with current local and national legislation and only by a licensed waste contractor. Do not dispose of into drains, sewers, or waterways.**
- 13.2 Disposal of packaging:
- Rinse thoroughly with water and dispose of as solid waste.**

14	TRANSPORT INFORMATION	<b>Not classified as hazardous for road transport.</b>
14.1	Labelling for transportation	<b>N/A</b>

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## 15 REGULATORY INFORMATION

15.1	Classification:	<b>Xi - Irritant.</b>
15.2	Risk Phrases:	<b>See section 2.</b>
15.3	Safety Phrases:	<b>See section 2.</b>

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## 16 OTHER INFORMATION

Nature of revision: **N/A**

N.B. Material supplier's safety data sheets were used as key data sources in the preparation of this safety data sheet.

N/D: No available data

N/A: Not applicable

MEL: Maximum exposure limit issued by the UK Health and Safety Executive in Guidance Note EH40/95

OES: Occupational Exposure Standard issued by the UK Health and Safety Executive in Guidance Note EH40/95