

MATERIALS SAFETY DATA

PATERSON PHOTOGRAPHIC LTD

REF: Chr6-ColDevB

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 CHROME SIX 3+, COLOUR DEVELOPER B.**Product use: **Developing all E6 Slide films.**

1.2 Company Identification:

Paterson Photographic Ltd
4 Malthouse Road
Tipton, West Midlands
DY4 9AE
United Kingdom

Telephone: +44(0)121 520 4830 Fax: +44(0)121 520 4831

1.3 Company emergency telephone number: **0121 520 4830 (Daytime)**

2. COMPOSITION/INFORMATION ON INGREDIENTS.

Hazardous Ingredient:	p-Phenylenediamine derivative (CD3)	2-5%
	Potassium bisulphite	<1%
	Sulphur dioxide	(<1)%

CAS Number:	25646-71-3
	7773-03-7
	(7446-09-5)

Hazard Classification: **Irritant.**Risk Phrases: **R43 – May cause sensitisation by skin contact.**

Safety Phrases:	S2 - Keep out of reach of children
	S24 – Avoid contact with the skin
	36/37- Wear suitable protective clothing and gloves

3. HAZARDS IDENTIFICATION

The product is severely irritating to eyes and skin and respiratory system. May cause allergic skin reactions (sensitisation)

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 launder 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.

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.

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 ³	ppm	mg/m ³

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:	Pale Yellow liquid.
9.2	Odour:	Of Sulphur Dioxide.
9.3	pH (concentrate):	1.5
9.4	Boiling point/boiling range:	N/A
9.5	Melting point/melting range:	N/A
9.6	Flash point:	N/A
9.7	Flammability:	Not flammable
9.8	Autoflammability:	N/A
9.9	Explosive properties:	N/A
9.10	Oxidising properties:	N/A
9.11	Vapour pressure:	N/D
9.12	Relative density:	1.020
9.13	Water solubility:	Completely soluble
9.14	Fat solubility:	N/D
9.15	Partition coefficient (n-octanol/water):	N/D
9.16	Other data:	

10 STABILITY AND REACTIVITY

10.1	Stability:	Stable under recommended storage conditions.
10.2	Conditions to avoid:	None known.
10.3	Materials to avoid:	Acids and metals.
10.4	Hazardous decomposition:	Reaction with acids produces sulphur dioxide gas. Reaction with oxidising agents produces tar, and heat is evolved.

11 TOXICOLOGICAL INFORMATION

Eye contact:	N/D for product. CD-3 may be irritating to eyes and cause redness, burning and tears.
Skin contact:	N/D for product. CD-3 may cause an allergic skin reaction. While no data is available for CD-3, the parent compound (p-phenylenediamine) is known to cause allergic reactions (skin and lung) in people and is absorbed through the skin.
Ingestion:	N/D for product. Ingestion on CD-3 may cause excitement and muscle contraction or spasticity
Inhalation:	N/D for product. Inhalation of mists of this product may be expected to cause irritation to the nose, throat and respiratory tract.

12 ECOLOGICAL INFORMATION

N/D

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 **Not classified as hazardous for road transport.**

14.1 Labelling for transportation **N/A**

15 REGULATORY INFORMATION

15.1 Classification: **Xi-Irritant.**

15.2 Risk Phrases: **See section 2.**

15.3 Safety Phrases: **See section 2.**

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