

MATERIALS SAFETY DATA

PATERSON PHOTOGRAPHIC LTD

REF: Acutol**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: PATERSON ACUTOL DEVELOPER****Product use: Black and White Film Developer****1.2 Company Identification:****Paterson Photographic Ltd
4 Malthouse Road
Tipton, West Midlands,
DY4 9AE, UK.****Telephone: +44 (0) 121 520 4830 Fax: +44 (0) 121 520 4830****1.3 Company emergency telephone number: +44(0) 121 520 4830 (Daytime)****2. COMPOSITION/INFORMATION ON INGREDIENTS.****Hazardous Ingredient: No ingredient present at a level, which is hazardous under CHIP 2 Regulations**

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

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.**

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: **Almost colourless liquid**
- 9.2 Odour: **Slight**
- 9.3 pH (concentrate): **9.0-10.0.**
- 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: **1.060**
- 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.**
- 10.4 Hazardous decomposition: **Reaction with acids produces carbon dioxide gas.**

11 TOXICOLOGICAL INFORMATION

Eye contact: **Likely to cause severe irritation and possible corneal damage due to presence of caustic alkali and hydroquinone.**

Skin contact: **Prolonged or repeated contact may cause irritation and possible sensitisation.**

Ingestion: **Likely to cause severe irritation of the mouth and gastro-intestinal 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: **Not classed as hazardous.**

15.2 Risk Phrases: **N/A**

15.3 Safety Phrases: **S2 - Keep out of reach of children.**

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