

MATERIALS SAFETY DATA

PATERSON PHOTOGRAPHIC LTD

REF: Acugrade**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 ACUGRADE DEVELOPER****Product use: Black and White Print Developer for Variable Contrast Paper****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: Hydroquinone****CAS Number: 123-31-9****Quantity: <3%****Hazard Classification: Xi-Irritant****Risk Phrases: R43 - May cause sensitisation by skin contact.****Safety Phrases: S2 - Keep out of reach of children
S24 - Avoid contact with skin
S37/39 - Wear suitable gloves and eye/face protection**

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.**

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.

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):	10.0-11.0.
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:	1.180
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.
Inhalation:	Likely to cause irritation and inflammation to the mucous membrane

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