SAFETY DATA SHEET

1) IDENTIFICATION

Product Name: MYDOCHROME 6 PROFESSIONAL Colour Developer Replenisher

Champion Product Code: 140143

Presentation: Compak to Make 2 x 20 Litres

Supplier: CHAMPION PHOTOCHEMISTRY INTERNATIONAL LIMITED
Hubert Road
Brentwood
Essex CM14 4JE
United Kingdom

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2) COMPOSITION / INFORMATION ON INGREDIENTS

Product Description:

A photographic colour developer for the E6 process. The following components contribute to hazard:

	CAS NO	%w/w
Part A		
Potassium Hydroxide	1310-58-3	2-5
Part B		
p-Phenylenediamine derivative (CD-3)	25646-71-3	20-25
Potassium bisulphite	7773-03-7	1-5
(Sulphur dioxide)	(7446-09-5)	(<1)

3) HAZARDS IDENTIFICATION

Human Health Hazards:

Part A: Corrosive - causes burns.

Part B: Harmful if swallowed. Irritating to eyes, skin and respiratory system. May cause allergic skin reactions (sensitisation).

Environmental Hazards: Expected to be harmful to plant and animal organisms in the aquatic environment.

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4) FIRST AID MEASURES

Eyes: Flush immediately with eye-wash solution or clean water for at least 15 minutes holding the eyelids apart. For Part A, obtain immediate medical attention. For Part B and obtain medical attention if irritation develops.

Inhalation: Move to fresh air and obtain medical attention if symptoms occur. Inhalation of fumes from the Part B may cause breathing difficulties - asthmatics should receive medical attention.

Skin Contact: Remove any contaminated clothing. Wash skin thoroughly with cold water then with a neutral cleanser and water. Thoroughly wash clothing before re-use. Obtain medical attention if irritation develops.

Ingestion: Rinse mouth with water and drink about two glasses of water. Do not induce vomiting. Obtain immediate medical attention.

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

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5) FIRE-FIGHTING MEASURES

Not classified as flammable. If involved in a major fire toxic gases could be produced. (Sulphur dioxide, NOx, and oxides of phosphorous).

Extinguishing Media:

Suitable for the surrounding fire.

Protective Equipment:

Self-contained respiratory equipment.

6) ACCIDENTAL RELEASE MEASURES

Personal Protection:

When dealing with spillages of concentrates or working strength solution, use the personal protection specified in Section 8. Ensure spill area is well ventilated.

Environmental Precautions:

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

Cleaning Up:

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

7) HANDLING AND STORAGE

Handling:

When handling product concentrates, avoid contact with eyes, skin and clothing and avoid inhaling vapour. Use in a well ventilated area. Avoid contact with the working strength solution and avoid inhaling vapour. After handling, the routine use of a neutral, (non-alkaline), hand cleanser will minimise the risk of adverse skin reaction.

Storage:

Store in a dry, well ventilated area at a moderate temperature. Store away from incompatible substances, (see Section 10).

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Sulphur dioxide gas may be liberated from the Part B concentrate.

UK Occupational Exposure Standards:

STEL (15 min) Sulphur Dioxide	13mg m^{-3}
TWA (8 hour) Sulphur Dioxide	5mg m^{-3}

Engineering Measures:

Ensure good ventilation of the whole working area.

Respiratory Protection:

Should not be required.

Skin Protection:

Wear impervious gloves when handling concentrates and to prevent contact with the working strength solution.

Eye Protection:

Wear safety glasses with side-shields as the minimum level of protection. Provide eye-wash bottles in the immediate working area.

9) PHYSICAL AND CHEMICAL PROPERTIES

	Part A	Part B
Appearance	Deep Yellow Liquid	Pale Yellow Liquid
Odour	Slight	Of Sulphur Dioxide
Weight per ml at 20°C:	1.155g	1.085g
pH at 20°C:	>13	1.05
Freezing Point:	-1°C	3°C
Flammability:	Not Flammable	Not Flammable
Solubility in water:	Completely Soluble	Completely Soluble

10) STABILITY AND REACTIVITY

Stability:

Stable under recommended storage conditions.

Materials to avoid:

Avoid contact with strong acids and oxidising agents. Avoid contact of the working strength solution and Part A concentrate with photographic fixer, (Ammonia will be liberated from the fixer). The Part A concentrate will be corrosive to some metals. eg. aluminium.

Hazardous Decomposition Products:

None under normal conditions of use.

11) TOXICOLOGICAL INFORMATION

Eye Contact:
Part A
Corrosive alkali - likely to cause burns. Risk of serious damage to eyes.

Parts B
Likely to cause irritation.

Skin Contact:
Part A
May cause burns.

Part B
May cause irritation - possibility of an allergic skin reaction (sensitisation).

Ingestion:
Part A
Likely to cause corrosion burns to the mouth and gastro-intestinal tract.

Part B
Hrmful if swallowed, may cause irritation of the mouth and gastro-intestinal tract.

Inhalation:

Part A
No specific vapour hazard exists, but inhalation of the liquid concentrates is likely to cause the adverse effects of skin contact (above).

Part B
Will cause irritation or choking due to the presence of sulphur dioxide. May cause acute breathing difficulties to asthmatics.

12) ECOLOGICAL INFORMATION

The following summary of expected environmental effects is based on known data for the principal ingredients and on the physico-chemical properties of the preparation.

Working Strength Solution
The high pH and the developing agent content will result in increased alkalinity and in toxicity to plant and animal organisms in the aquatic environment. These effects are rapidly reduced by the effects of dilution, oxidation and photodecomposition and the product has little or no potential to persist in the harmful form. The solution has a low biochemical oxygen demand.

Part A
This material is strongly alkaline and this property may cause adverse environmental effects.

Part B
This material is acidic and contains material that is harmful to plant and animal life. These properties may cause adverse environmental effects.

As a result of the above properties, precautions should be taken to avoid release of the product or working strength solution into the environment, (see Section 13).

13) DISPOSAL CONSIDERATIONS

Surplus Product and Working Strength Solution:

Disposal should be in accordance with current local and national legislation and only by a licensed waste contractor. Do not dispose of either concentrate or working strength solutions into drains, sewers, or waterways.

Plastic Containers:

Rinse thoroughly with water and dispose as solid waste to land fill or re-cycle where possible.

Cardboard Cartons:

Re-cycle where possible or treat as solid waste.

14) TRANSPORT INFORMATION

UN Number:	1719
Shipping Name:	Caustic Alkali Liquids N.O.S.
Packing Group:	III
ADR/RID:	Class 8

15) REGULATORY INFORMATION

Part A: Contains Potassium Hydroxide

Hazard Symbol:	C	Corrosive

Risk Phrases:	R34	Causes burns
Safety Phrases:	S2	Keep out of reach of children
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Part B: Contains a p-Phenylenediamine derivative (CD3)

Hazard Symbol:	Xn	Harmful
Risk Phrases:	R22	Harmful if swallowed.
	R43	May cause sensitisation by skin contact.
Safety Phrases:	S2	Keep out of reach of children.
	S24	Avoid contact with the skin.

16) OTHER INFORMATION

The information contained in this Safety Data Sheet does not constitute the users own assessment of work place risk as required by other health and safety legislation, (eg. COSHH Regulations in the UK).

Document History
Prepared by: DS
Revision No: 0
Revision Date: 08/02/96
Reference Sources Include: CHIP Regs 1994 and related ACOPs.
UK HSE EH40/95, Occupational Exposure Limits
Croner's First Aid Guide
Raw Material MSDS

An asterisk (*) in text indicates revision since last issue.

The information contained in this Safety Data Sheet is to our best present knowledge correct and complete and is given in good faith but without warranty.

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