

SAFETY DATA SHEET

PRINTMASTER RA Developer / Replenisher

1) IDENTIFICATION

Product Code: 140160

Supplier:

Paterson Photographic Ltd
4 Malthouse Road, Tipton.
West Midlands, DY4 9AE
UNITED KINGDOM.

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2) COMPOSITION/INFORMATION ON INGREDIENTS

Product Description:

A single part photographic colour print developer. The following components contribute to hazard.

	CAS NO	% w/w
p-Phenylenediamine derivative (CD3)	25646-71-3	2-5
Potassium Carbonate	584-08-7	5-10
Sodium Hydroxide	1310-73-2	0.5-2
Monoethylene Glycol	107-21-1	20-25

3) HAZARDS IDENTIFICATION

Human Health Hazards:

Irritating to eyes and skin. May cause allergic skin reaction.

Maybe be harmful if swallowed

Environmental Hazards:

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

4) FIRST AID MEASURES

Eyes:

Flush immediately with eye-wash solution or clean water for several minutes holding the eyelids apart. Obtain immediate medical attention.

Inhalation:

Inhalation of the liquids is unlikely to occur. No vapour hazard exists under normal conditions of use.

Skin Contact:

Remove any contaminated clothing. Wash skin thoroughly with cold water then with a neutral cleanser and water. Thoroughly wash contaminated 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. Seek 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

5) FIRE-FIGHTING MEASURES

Not classified as flammable. If involved in a major fire toxic gases could be produced. (Sulphur dioxide, NOx, oxides of phosphorous, phosphine - PH₃).

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

UK Occupational Exposure Standards:

Monoethylene Glycol

STEL (15 min) 10mg m⁻³ (Particulate)

60mg m⁻³ (Vapour)

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.

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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

Appearance: Pale Orange Liquid

Odour: Slight

pH at 20°C: 11.1

Weight per ml at 20°C : 1.20

Freezing Point: <0°C

Flammability: Not flammable

Solubility in water: 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 with bleach-fix, (Ammonia will be liberated).

Hazardous Decomposition Products:

None under normal conditions of use.

11) TOXICOLOGICAL INFORMATION**Eye Contact:**

Likely to cause irritation.

Skin Contact:

May cause irritation and possible allergic skin reaction.

Ingestion:

Harmful if swallowed. May cause irritation of the gastro-intestinal tract.

Inhalation:

No vapour hazard exists under normal conditions of use.

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. The high pH, developing agent content and moderately high biochemical oxygen demand, 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 a harmful form.

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 or on to soil.

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

Not regulated.

15) REGULATORY INFORMATION

Contains a p-Phenylenediamine derivative (CD3)

Hazard Symbol:

Xi Irritant

Risk Phrases:

R36/38 : Irritating to Eyes & Skin

R43 : May cause sensitisation by skin contact.

Safety Phrases:

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37 : Wear suitable protective clothing and gloves.

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: 18.01.01

Reference Sources Include: CHIP Regs, UK, HSE

,EH40, Occupational Exposure Limits, Croner's First Aid Guide, Raw Material MSDS.

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.