

# SAFETY DATA SHEET

## 1) IDENTIFICATION

**Product Name:** B&W SUPROL A Universal Developer  
**Champion Product Code:** 180132  
**Presentation:** 4 x 5L packs in a cardboard outer  
**Supplier:** CHAMPION PHOTOCHEMISTRY  
INTERNATIONAL LIMITED  
Hubert Road  
Brentwood  
Essex CM14 4JE  
United Kingdom  
**Telephone No:** + 44 (0) 1277 263646  
**Fax:** + 44 (0) 1277 260832

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## 2) COMPOSITION/INFORMATION ON INGREDIENTS

### Product Description:

A tropically stable film and paper developer. The following components contribute to hazard:

|                     | CAS NO    | %w/w |
|---------------------|-----------|------|
| Hydroquinone        | 123-31-9  | 2-5  |
| Potassium Hydroxide | 1310-58-3 | 2-5  |

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## 3) HAZARDS IDENTIFICATION

### Human Health

#### Hazards:

Corrosive to eyes and mucous membrane, irritating to skin, harmful if swallowed.

#### Safety Hazards

Contact with acids liberates toxic gas, (sulphur dioxide).

**Environmental Hazards:**

Will cause short term oxygen depletion if allowed to enter 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. Obtain immediate medical attention.

**Inhalation:**

Inhalation of the product is unlikely to occur. In the event of inhalation move to fresh air and obtain medical attention.

**Skin Contact:**

Remove any contaminated clothing. Wash skin with cold water then thoroughly 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. Obtain 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 (water based). If involved in a major fire, toxic gas, (Sulphur dioxide), could be produced.

**Extinguishing Media:**

Suitable for the surrounding fire.

**Protective Equipment:**

Self-contained respiratory equipment.

## 6) ACCIDENTAL RELEASE MEASURES

### **Personal Protection:**

When dealing with spillages of concentrate 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.

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## 7) HANDLING AND STORAGE

The following brief guidelines refer primarily to the concentrates although unnecessary contact with the working strength solution, (and all processing solutions), should be avoided.

### **Handling:**

Avoid contact with eyes, skin and clothing. Ensure adequate ventilation of the working area. 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 in the original containers. Ensure containers are securely re-capped after use.

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## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Relevant Exposure Limits:**

None.

### **Engineering Measures:**

Ensure good ventilation or local exhaust ventilation of the working area.

### **Hand Protection:**

Wear impervious gloves when handling concentrates and protective clothing as appropriate for the risk of exposure.

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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.

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**9) PHYSICAL AND CHEMICAL PROPERTIES**

|                               | <b>Solution No 1</b> | <b>Solution No 2</b> |
|-------------------------------|----------------------|----------------------|
| <b>Appearance:</b>            | Pale yellow liquid   | Pale orange liquid   |
| <b>Odour:</b>                 | Slight               | Slight               |
| <b>pH at 20°C:</b>            | 12.0                 | 1.8                  |
| <b>weight per ml at 20°C:</b> | 1.24                 | 1.11                 |
| <b>Freezing Point:</b>        | -4°C                 | <0°C                 |
| <b>Flammability:</b>          | Not flammable        | Not flammable        |
| <b>Solubility in water:</b>   | Completely soluble   | Completely soluble   |

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**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 concentrate and working strength solution with photographic fixer. (Ammonia will be liberated from the Fixer).

**Hazardous Decomposition Products:**

None under normal conditions of use.

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**11) TOXICOLOGICAL INFORMATION****Eye Contact:**

Likely to cause corrosion and possible corneal damage due to presence of caustic alkali and hydroquinone.

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**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 mucous membrane.

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**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.

A moderate bio-chemical oxygen demand and high pH will result in short term oxygen depletion and increased alkalinity in the aquatic environment, with subsequent localised damage to plant and animal organisms. Harmful short term effects are rapidly reduced by dilution, oxidation and photodecomposition and the product has a very low 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).

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**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.

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**14) TRANSPORT INFORMATION**

Not classified as hazardous for transport purposes.

Not restricted.

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## 15) REGULATORY INFORMATION

Contains Potassium Hydroxide and Hydroquinone.

|                        |     |   |
|------------------------|-----|---|
| <b>Hazard Symbol:</b>  | C   | Corrosive   |
| <b>Risk Phrases:</b>   | R34 | Causes burns  |
| <b>Safety Phrases:</b> | S2  | Keep out of reach of children   |
|                        | S26 | In case of contact with eyes<br>rinse immediately with plenty<br>of water and seek medical<br>advice. |

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## 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: 23/10/96

Reference Sources Include: CHIP Regs 1994

UK HSE EH40/96, Occupational Exposure Limits

Croner's First Aid Guide

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.**

**Date of Issue:** 23/10/96