

SAFETY DATA SHEET

1) IDENTIFICATION

Product Name: E6 PROPAK Bleach-Fix

Champion Product Code: 140103, 140116

Supplier: CHAMPION PHOTOCHEMISTRY
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2) COMPOSITION/INFORMATION ON INGREDIENTS

Product Description:

A two part photographic Bleach-Fix for the E6 ProPak containing the following principal components dissolved in water:

	CAS NO.	% w/w
<u>Part A</u>		
Ammonium Thiosulphate	7783-18-8	45-55
Ammonium Bisulphite	10192-30-0	5-10
Sodium Acetate	127-09-3	5-10
<u>Part B</u>		
Ammonium Ferric EDTA	21265-50-9	45-55

3) HAZARDS IDENTIFICATION

Human Health

Hazards:

Not classified as hazardous.

Safety Hazards:

Contact with alkalis, including photographic developer liberates irritant gas, (ammonia). Contact with acids liberates harmful gases, (sulphur dioxide and hydrogen sulphide).

Environmental

Hazards:

Will cause short term oxygen depletion if allowed to enter 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 medical attention if irritation develops.

Inhalation:

Inhalation of the product is not likely to occur. In the event of inhalation move to fresh air and obtain medical attention if symptoms occur.

Skin Contact:

Remove any contaminated clothing and wash skin thoroughly with water followed by a neutral cleanser and water. Wash contaminated clothing before re-use.

Ingestion:

Rinse mouth with water and drink 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

5) FIRE-FIGHTING MEASURES

Not classified as flammable. If involved in a major fire, hazardous combustion product may include Sulphur Dioxide and NOx.

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 the product concentrates, avoid contact with eyes, skin and clothing. Use in a well ventilated area.

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

Small quantities of sulphur dioxide and acetic acid vapour may be liberated from the product and during preparation of the working strength solution.

UK Occupational Exposure Limits:

STEL (15 min) Sulphur Dioxide	13mg m ⁻³
TWA (8 hour) Sulphur Dioxide	5mg m ⁻³
STEL (15 min) Acetic Acid	37mg m ⁻³
TWA (8 hour) Acetic Acid	25mg m ⁻³

Engineering Measures:

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

Respiratory Protection:

Should not be required.

Skin Protection:

Wear impervious gloves when handling product concentrates. Avoid excessive contact with the working strength solution. The regular use of a neutral, (non-alkaline) skin cleanser is recommended.

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

	<u>Part A</u>	<u>Part B</u>
Appearance:	Very pale yellow liquid.	Deep reddish yellow liquid brown liquid
Odour:	Slight of acetic acid and sulphur dioxide	None
pH at 20°C:	5.75	7.7
Weight per ml at 20°C:	1.33	1.32
Freezing Point:	No data	< -10°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 with photographic developers, (ammonia may be produced).

The working strength solution and the Part B concentrate are corrosive to many metals, eg. aluminium, copper, nickel, zinc and their alloys.

Hazardous Decomposition Products:

None under normal conditions of use.

11) TOXICOLOGICAL INFORMATION

Eye Contact:

May cause irritation.

Skin Contact:

May cause irritation on prolonged or repeated contact.

Ingestion:

Low toxicity but likely to cause gastro-intestinal irritation.

Inhalation:

Inhalation of vapour from concentrates or working strength solution may cause irritation; asthmatics or persons with known respiratory problems may experience breathing difficulties.

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 biochemical oxygen demand will result in short term oxygen depletion in the aquatic environment. The working strength solution and the Part B concentrate contain components which are not expected to be readily biodegradable.

Used working strength solutions will contain varying levels of silver from processing.

As a result of the above properties, precautions should be taken to prevent the release of the product concentrates 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. Silver will be present at appreciable levels in used working strength solution and should be recovered before final disposal.

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 classified as dangerous for transport by road or rail.

Air Transport:

UN No:	1760
Class:	8
Packing Group:	III
Proper Shipping Name:	Corrosive Liquid N.O.S. (Ethylenediaminetetra acetic acid, ferric-ammonium complex)

15) REGULATORY INFORMATION

Not classified as hazardous.

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: 1

Revision Date: 01.09.99

Reference Sources Include: CHIP Regs and related ACOPs.

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.

Changes at this Revision: Minor re-wording
Code 140116 added.