

Fotospeed Product Safety Data Sheet E6.CD/1 1

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity : **CK3E6**
Colour Developer A & B

Producer / Distributor : Jay House Ltd., Fiveways House, Westwells Road,
Rudloe, Corsham, Wiltshire, U.K. SN13 9RG

Tel: 01225 810596 Fax: 01225 811801

2. COMPOSITION / INGREDIENT INFORMATION

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

Chemical Name & Symbol letter	% W/W	EINEC No	CAS No
Part A			
Potassium Hydroxide C	2-5	215-181-3	1310-58-3
Part B			
p-Phenylenediamine Derivative (CD-3) Xn		224-361-0	25646-71-3
Potassium bisulphite	<1		7773-03-7
Sulphur dioxide	<1		7446-09-5

3. HAZARD IDENTIFICATION

Human Health Hazards : Part A: Corrosive - causes burns.
Part B: 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.

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

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 harmful gases could be produced. (Sulphur dioxide, NOx and oxides of phosphorus)

Extinguishing media : Suitable for the surrounding fire

Protective equipment : Self contained respiratory equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal protections : 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 (15min) Sulphur dioxide 13mgm⁻³

TWA (8 hour) Sulphur dioxide 5mgm⁻³

Engineering measures : Ensure good ventilation or local exhaust ventilation of the working area.

Respiratory Protection : Not required.

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

	<u>Part A</u>	<u>Part B</u>
Appearance:	Liquid	Liquid
Colour:	Deep Yellow	Pale Yellow
Odour:	Slight	Of Sulphur Dioxide
Weight per ml at 20°C:	1.155g	1.020
pH value at 20°C:	>13	1.5
Freezing Point	-1°C	2°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 light metals and alloys.

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

Part B

Likely to cause irritation.

Skin contact :

Part A

May cause alkali 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

Harmful if swallowed. May cause irritation of the mouth and gastro-intestinal tract. Expected to be of moderate system toxicity.

Inhalation :

Part A

No specific vapour hazard exists, but inhalation of the liquid concentrate is likely to cause alkali burns to mucous membrane.

Part B

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

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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 preparator

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 a land fill or recycle where possible..

Cardboard Cartons : Recycle where possible or treat as solid waste.

14. TRANSPORT INFORMATION

UN No. : 1719

Shipping Name: Caustic Alkali Liquids N.O.S.

Packing Group: III

ADR/RID: Class 8

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15. REGULATORY INFORMATION

Part A : Contains Potassium hydroxide

Hazard Symbol(s) :	C	Corrosive
R(isk) phrase(s) :	R34	Causes burns
S(afety) phrase(s) :	S2 S26	Keep out of reach of Childrer In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S36/37/39	Wear suitable protective clothing and eye/face protection.

Part B : Contains a p-Phenylenediamine Derivative (CD-3)

Hazard Symbol(s) :	Xi	Irritant
R(isk) phrase(s) :	R43	May cause sensitisation by skin contact
S(afety) phrase(s) :	S2 S24 S36/37	Keep out of reach of Childrer Avoid contact with the skin 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)

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.