Material Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

Product name: KODAK PROFESSIONAL Color Developer Replenisher, Process E-6, Part A

Product code: 8372542 - Part A

Supplier: KODAK AUSTRALASIA Pty. Ltd., Level 2, 436 Johnston Street, Abbotsford, Victoria, 3067

For Chemical Emergency Information, in Australia call 1800 033111 (24 hour service Australia-wide); in New Zealand call 0800 734 607 (24 hour service); in Asia call +86 21 63500836

For Other Information, call 61 3 8417 8000.

Synonyms: PCD 6439

Product Use: Professional colour film photographic processing solution, For industrial use only.

2. Hazards identification

STATEMENT OF HAZARDOUS NATURE: Hazardous according to criteria of Australian Safety and Compensation Council

Corrosive. Causes burns.

Poisons Schedule: 5
Contains: Potassium hydroxide, Tripotassium phosphate

3. Composition/information on ingredients

Weight percent	Components (CAS-No.)
10 - 15	Tripotassium phosphate (7778-53-2)
1 - 5	Potassium hydroxide (1310-58-3)
1 - 5	Sodium sulphite (7757-83-7)
0.1 - 1	Aminotris(methylphosphonic acid) (6419-19-8)

4. First aid measures

Inhalation: If inhaled, remove to fresh air. Get medical attention.

Eyes: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if symptoms occur.

Ingestion: If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control centre immediately.

Notes to physician:

Treatment: Strong alkalis bind tissue protein. Following initial flushing of the eye with water, continued irrigation of the eye with saline is recommended. Treatment should be continued until pH of tears reaches neutral.

5. Fire-fighting measures

Hazchem Code: 2X

Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Fire or excessive heat may produce hazardous decomposition products.

Hazardous Combustion Products: None, (see also Stability and Reactivity section).

Unusual Fire and Explosion Hazards: None.

6. Accidental release measures

Contaminated absorbent should be disposed of in accordance with local regulations. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

7. Handling and storage

Personal precautions: Do not breathe mist or vapour at concentrations greater than the exposure limits. Do not get in eyes and avoid contact with skin and clothing. Keep container tightly closed. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: No special technical protective measures required.

Storage: Keep container tightly closed. Keep away from incompatible substances (see Incompatibility section.)

8. Exposure controls/personal protection

Occupational exposure controls

Chemical Name	Regulatory List	Value Type	Value
Potassium hydroxide	Exposure Standards	Peak	2 mg/m3
Sulphur dioxide		time weighted average	2 ppm 5.2 mg/m3
		Short term exposure limit	5 ppm 13 mg/m3
Potassium hydroxide	New Zealand	Ceiling Limit Value	2 mg/m3
Sulphur dioxide		time weighted average	2 ppm 5.2 mg/m3
		Short term exposure limit	5 ppm 13 mg/m3

Ventilation: Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Controls should be sufficient so that applicable occupational exposure limits are not exceeded.

Respiratory protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. Respirator type: acid gas If respirators are used, a program should be

instituted to assure compliance with applicable federal, state, commonwealth, provincial, or local laws and regulations.

Eye protection: Wear safety glasses with side shields (or goggles) and a face shield.

Hand protection: For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn.

9. Physical and chemical properties

Physical form: liquid

Colour: light yellow

Odour: odourless

Specific gravity: 1.19

Vapour pressure (at 20.0 °C (68.0 °F)) : 24 mbar (18.0 mm Hg)

Vapour density: 0.6

Boiling point/boiling range: > 100 °C (> 212.0 °F) (estimated)

Water solubility: complete

pH: 13.8

Flash point: does not flash

Flammability Limits: Not specified

10. Stability and reactivity

Stability: Stable under normal conditions.

Incompatibility: Acids, Metals Contact with strong acids liberates sulphur dioxide.

Hazardous decomposition products: Oxides of phosphorus, Sulphur oxides.

Hazardous Polymerization: Hazardous polymerisation does not occur.

11. Toxicological information

Effects of Exposure

Inhalation: Expected to be a low hazard for recommended handling. Some asthmatics or hypersensitive individuals may experience difficulty breathing.

Eyes: Causes burns.

Skin: Causes burns.

Ingestion: Expected to be a low ingestion hazard. Some asthmatics or sulfite-sensitive individuals may experience wheezing, chest tightness, stomach upset, hives, faintness, weakness and diarrhea.

Acute Toxicity Data:

- Skin irritation: negative (4-hour DOT Skin Corrosivity Test)

12. Ecological information

The following properties are ESTIMATED from the components of the preparations.

Potential Toxicity:

Toxicity to fish (LC50):	> 100 mg/l
Toxicity to daphnia (EC50):	Daphnia: > 100 mg/l
Persistence and degradability:	Readily biodegradable.

13. Disposal considerations

Discharge, treatment, or disposal may be subject to federal, state, commonwealth, provincial, or local laws. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport information

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may carry a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

ADG:	UN number:	UN1814
	Proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
	Class:	8
	Packaging group:	III
IATA:	UN number:	UN1814
	Proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
	Class:	8
	Packaging group:	III
IMDG:	UN number:	UN1814
	Proper shipping name:	POTASSIUM HYDROXIDE SOLUTION
	Class:	8
	Packaging group:	III

For more transportation information, go to: www.kodak.com/go/ship.

15. Regulatory information

Notification status

Regulatory List	Notification status
TSCA	Not all listed

DSL	Not all listed
NDSL	None listed
EINECS	Not all listed
ELINCS	None listed
NLP	None listed
AICS	Not all listed
IECS	Not all listed
ENCS	Not all listed
ECI	Not all listed
NZIoC	Not all listed
PICCS	Not all listed

"Not all listed" indicates one or more component is either not on the public Inventory or is subject to exemption requirements. If additional information is needed contact Kodak.

Poisons Schedule: 5

Australian Safety and Compensation Council: none

Other regulations

Australia National Model Regulations for the Control of Scheduled Carcinogenic Substances	No components listed

16. Other information

The data below reflects current legislative requirements whereas the product in your possession may carry a different version of the label depending on the date of manufacture. The actual label information will depend upon the intended use of the product. Australian Safety and Compensation Council labeling appears for commercial/industrial use.

Australian Safety and Compensation Council Labeling:

Symbol/Indication of Danger: C: Corrosive

Risk Phrases:	R34: Causes burns.
Safety Phrases:	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36/37/39: Wear suitable protective clothing, gloves and eye/face protection. S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

National Health and Medical Research Council Standard for the Uniform Scheduling of Drugs and Poisons Labeling:

CAUTION
KEEP OUT OF REACH OF CHILDREN
DO NOT SWALLOW
READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Contains: Potassium hydroxide (36.89 g/L), Tripotassium phosphate (141.61 g/L)

Warning: Corrosive. Strongly alkaline. May produce severe burns. Attacks skin and eyes.

Safety Phrases: Avoid contact with skin or eyes. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wear protective gloves when mixing or using.

First aid: For advice, contact a Poisons Information Centre (Australia 13 1126; New Zealand 0800 764 766) or a doctor. If swallowed, do NOT induce vomiting. If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.