

# MATERIAL SAFETY DATA SHEET



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## 1. Identification of the substance/preparation and of the company/undertaking

**Product name:** KODAK EKTACOLOR PRIME SP Bleach-Fix Replenisher LORR

**Product code:** 6601041

**Manufacturer:** KODAK (Wuxi) Company Limited, 18 Chang Jiang Road, New District, (Wuxi), 214028

**Supplier:** KODAK AUSTRALASIA Pty. Ltd., 181 Victoria Parade, Collingwood, Victoria, 3066

For Chemical Emergency Information, in Australia call 1800 033111 (24 hour service Australia-wide); in New Zealand call 0800 734 607 (24 hour service).

For Other Information, call 61 3 9353 2222.

**Synonyms:** PCD 6543

**Product Use:** Professional colour paper photographic processing solution

## 2. Composition/information on ingredients

Weight %	Components (CAS-No.)
60 - 65	Water (7732-18-5)
15 - 20	Ammonium thiosulphate (7783-18-8)
5 - 10	Ammonium ferric ethylenediaminetetraacetic acid (21265-50-9)
5 - 10	Ammonium bisulphite (10192-30-0)
1 - 5	Ammonium acetate (631-61-8)

## 3. Hazards identification

**STATEMENT OF HAZARDOUS NATURE:** Not classified as hazardous according to criteria of Worksafe Australia

Contains no scheduled poisons

## 4. First aid measures

**Inhalation:** If symptomatic, move to fresh air. Get medical attention if symptoms persist.

**Eyes:** Any material that contacts the eye should be washed out immediately with water. Get medical attention if symptoms occur.

**Skin:** Wash off with soap and water. Get medical attention if symptoms occur.

**Ingestion:** Drink 1-2 glasses of water. Seek medical attention. Never give anything by mouth to an unconscious person.

## 5. Fire-fighting measures

**Hazchem Code:** Not specified

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**Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Flush with plenty of water.

**Special Fire-Fighting Procedures:** Wear self-contained breathing apparatus and protective clothing.

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

**Unusual Fire and Explosion Hazards:** Dried product residue can act as a reducing agent. Reacts violently with oxidizing materials. May cause spontaneous heating and ignition when absorbed on combustible, porous material (e.g. rags, paper, sawdust, cotton, clothing).

## 6. Accidental release measures

Contaminated absorbent should be disposed of in accordance with local regulations. Collect in a noncombustible container for prompt disposal. Clean surface thoroughly to remove residual contamination.

## 7. Handling and storage

**Personal precautions:** Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation. Wash thoroughly after handling.

**Prevention of Fire and Explosion:** Keep from contact with oxidizing materials, highly oxygenated or halogenated solvents, organic compounds containing reducible functional groups. Remove and wash contaminated clothing promptly.

**Storage:** Store in original container. Keep container tightly closed to prevent the loss of water. Keep away from incompatible substances (see Incompatibility section.)

## 8. Exposure controls / personal protection

### Occupational exposure controls

Chemical Name	Regulatory List	Value Type	Value
Sulphur dioxide	AU OEL	Time Weighted Average (TWA):	2 ppm
		Short Term Exposure Limit (STEL):	5 ppm
		Time Weighted Average (TWA):	2 ppm
Sulphur dioxide	ACGIH	Short Term Exposure Limit (STEL):	5 ppm
		Time Weighted Average (TWA):	2 ppm
		Short Term Exposure Limit (STEL):	5 ppm
Sulphur dioxide	NZ OEL	Time Weighted Average (TWA):	2 ppm
		Short Term Exposure Limit (STEL):	5 ppm
		Time Weighted Average (TWA):	2 ppm

**Ventilation:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

**Respiratory protection:** None should be needed. A respirator should be worn if hazardous decomposition products are likely to be or have been released. Respirator type: Acid gas. See Stability and Reactivity Section. If respirators are used, a program should be instituted to assure compliance with WORKSAFE AUSTRALIA standard AS/NZS 1716: 1994.

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**Eye protection:** Wear safety glasses with side shields (or goggles).

**Skin and body protection:** Wear impervious gloves and protective clothing appropriate for the risk of exposure.

**Recommended Decontamination Facilities:** Safety shower, eye wash, washing facilities as appropriate to condition of use.

## 9. Physical and chemical properties

**Physical form:** liquid

**Colour:** dark red

**Odour:** acetic acid

**Specific gravity:** 1.187

**Vapour pressure (at 20.0 °C (68.0 °F)) :** 23.4 mbar (17.6 mm Hg)

**Relative vapour density:** 0.6

**Volatile fraction by weight:** 60 - 65 %

**Boiling point/range:** > 100.0 °C (> 212.0 °F)

**Water solubility:** complete

**pH:** 5.3

**Flash point:** None.

**Flammability Limits:** Not specified

## 10. Stability and reactivity

**Stability:** Stable.

**Incompatibility:** Acids, strong bases, sodium hypochlorite (bleach), halogenated compounds, oxidizing agents. Contact with strong acids liberates sulphur dioxide. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas).

**Hazardous decomposition products:** ammonia, sulphur oxides, nitrogen oxides (NO<sub>x</sub>).

**Hazardous Polymerization:** Hazardous polymerisation does not occur.

## 11. Toxicological information

### Effects of Exposure

#### General advice:

Contains: Ammonium ferric ethylenediaminetetraacetic acid. This compound can chelate

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metals and may alter calcium and other cation balances.

**Inhalation:** Expected to be a low hazard for usual industrial or commercial handling by trained personnel. In contact with strong acids or if heated, sulphites may liberate sulphur dioxide gas. Sulphur dioxide gas is irritating to the respiratory tract. Some asthmatics or hypersensitive individuals may experience difficult breathing. Some asthmatics or hypersensitive individuals may experience difficult breathing.

**Eyes:** No specific hazard known. May cause transient irritation.

**Skin:** May be irritating.

**Ingestion:** May be harmful if swallowed.

## 12. Ecological information

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

Potential Toxicity:

Fish LC50: > 100 mg/l

Daphnid EC50: 10 - 100 mg/l

Algal IC50: > 100 mg/l

Waste treatment organisms EC50: > 100 mg/l

Organics Readily Degradable: Not readily biodegradable.

Potential Bioaccumulation: log Pow < 1

COD (approximate): 207 g/l

BOD (approximate): 99 g/l

## 13. Disposal considerations

Discharge, treatment, or disposal may be subject to Commonwealth, States or local laws. Contract with a licensed chemical disposal agency. Since emptied containers retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

Not regulated for all modes of transportation.

## 15. Regulatory information

**Poisons Schedule:** Not specified

**Carcinogenicity Classification (components present at 0.1% or more):**

International Agency for Research on Cancer (IARC): none  
American Conference of Governmental Industrial Hygienists (ACGIH): none  
U.S. National Toxicology Program (NTP): none

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U.S. Occupational Safety and Health Administration (OSHA): none  
Worksafe Australia: none

## 16. Other information

### Worksafe Australia Labeling:

Not classified as hazardous according to criteria of Worksafe Australia

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

**CONTAINS NO SCHEDULED POISONS**

**Safety Phrases:** Avoid contact with skin or eyes.

**First aid:** No first aid instructions are recommended for labelling purposes.

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The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment. The information relating to the working solution is for guidance purposes only, and is based on correct mixing and use of the product according to instructions.

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