

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET

#### Rapid Fixer

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#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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##### 1.1. Product identifier

**Product name** Rapid Fixer  
**Product No.** 1984253, 1984262, 1984565  
**Internal Id** 10023  
**Container size** 500ml 1 Litre 5 Litre

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Photographic Fixer Solution

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Distributors  
UK: HARMAN technology Ltd, Ilford Way,  
Mobberley, Cheshire, WA16 7JL, UK Tel: 01565  
650000, Fax: 01565 872734.  
(<http://www.harmantechnology.com>)  
Australia: CR Kennedy & Co Pty Ltd, 663 Chapel  
Street, South Yarra, Victoria 3141, Australia. Tel:  
03 9823 1555, Fax: 03 9827 7216  
**Contact Person** UK: HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email:  
[trevor.rhodes@harmantechnology.com](mailto:trevor.rhodes@harmantechnology.com) Australia: Contact Distributor (<http://www.crkennedy.com.au>) Tel  
+61 (0)3 9823 1555

##### 1.4. Emergency telephone number

Swiss Toxicological Information Centre (24 hours) Tel: +41 (0)1 251 5151, Fax: +41 (0)1 252 8833 E-mail: [stic@access.ch](mailto:stic@access.ch), Internet:  
[www.toxi.ch](http://www.toxi.ch)

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#### SECTION 2: HAZARDS IDENTIFICATION

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##### 2.1. Classification of the substance or mixture

**Classification (1999/45/EEC)** Not classified.

##### 2.2. Label elements

###### **Risk Phrases**

NC Not classified.

###### **Safety Phrases**

S2 Keep out of the reach of children.  
P13 Safety data sheet available for professional user on request.

##### 2.3. Other hazards

May irritate eyes.

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#### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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##### 3.2. Mixtures

## Rapid Fixer

<b>ACETIC ACID ...%</b>	<b>1-5%</b>
<b>CAS-No.: 64-19-7</b>	<b>EC No.: 200-580-7</b>
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Corr. 1A - H314	Classification (67/548/EEC) R10 C;R35
<b>Ammonium Thiosulphate</b>	<b>36-50%</b>
<b>CAS-No.: 7783-18-8</b>	<b>EC No.: 231-982-0</b>
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
<b>SODIUM METABISULPHITE</b>	<b>1-5%</b>
<b>CAS-No.: 7681-57-4</b>	<b>EC No.: 231-673-0</b>
Classification (EC 1272/2008) EUH031 Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41 R31

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### Composition Comments

Not classified as hazardous according to the criteria of Worksafe Australia

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## SECTION 4: FIRST AID MEASURES

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### 4.1. Description of first aid measures

#### **Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### **Ingestion**

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

#### **Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Contact physician if irritation continues.

#### **Eye contact**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

### 4.2. Most important symptoms and effects, both acute and delayed

#### **Inhalation**

No specific symptoms noted.

#### **Ingestion**

No specific symptoms noted.

#### **Skin contact**

No specific symptoms noted.

#### **Eye contact**

May cause temporary eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

# Rapid Fixer

No specific first aid measures noted.

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## SECTION 5: FIREFIGHTING MEASURES

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### 5.1. Extinguishing media

#### Extinguishing media

The product is non-combustible. Use extinguishing media appropriate for surrounding fire.

### 5.2. Special hazards arising from the substance or mixture

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

#### Specific hazards

The product is non-combustible. If heated, harmful vapours may be formed.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

Avoid breathing fire vapours.

#### Protective equipment for fire-fighters

Use protective equipment appropriate for surrounding materials. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see section 8.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

### 6.3. Methods and material for containment and cleaning up

For waste disposal, see section 13. Wear necessary protective equipment. Small quantities may be flushed to drains with plenty of water. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water. Prevent discharge of larger quantity to drain.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

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### 7.1. Precautions for safe handling

Provide good ventilation. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Read and follow manufacturer's recommendations.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in closed original container in a dry place. Store above freezing. Store under well-ventilated conditions at a temperature below 25°C.

#### Storage Class

Chemical storage.

### 7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1. Control parameters

## Rapid Fixer

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
SODIUM METABISULPHITE	WEL		5 mg/m <sup>3</sup>			

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation. Must not be handled in confined space without sufficient ventilation.

#### Respiratory equipment

Respiratory protection not required.

#### Hand protection

Use protective gloves.

#### Eye protection

Use eye protection.

#### Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Yellow. Green.
Odour	Slightly pungent odour.
Solubility	Soluble in water. 100%
Initial boiling point and boiling range (°C)	>100 760 mm Hg
Melting point (°C)	<0
Relative density	1.34 20
Vapour pressure	- Not Known
Evaporation rate	1 H <sub>2</sub> O (water)=1
pH-Value, Conc. Solution	5.1

### 9.2. Other information

Not applicable.

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under the prescribed storage conditions. No particular stability concerns.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

Will not polymerise.

# Rapid Fixer

## 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with acids and alkalis.

## 10.5. Incompatible materials

### **Materials To Avoid**

Strong acids. Strong alkalis. Avoid contact with other photographic solutions and/or cleaning compounds.

## 10.6. Hazardous decomposition products

When heated, toxic and corrosive vapours/gases may be formed. Irritating gases/vapours/fumes of: Ammonia or amines. Sulphur dioxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

#### **Toxicological information**

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components that comprise the mixture.

#### **Inhalation**

No specific health warnings noted.

#### **Ingestion**

No specific health warnings noted.

#### **Skin contact**

No specific health warnings noted.

#### **Eye contact**

May cause temporary eye irritation.

#### **Health Warnings**

No specific health warnings noted. Spray and vapour in the eyes may cause irritation and smarting.

#### **Route of entry**

Ingestion. Skin and/or eye contact.

#### Toxicological information on ingredients.

##### **Toxic Dose 1 - LD 50**

1540 mg/kg (oral rat)

#### SODIUM METABISULPHITE (CAS: 7681-57-4)

##### **Toxic Dose 1 - LD 50**

2890 mg/kg (oral rat)

#### Ammonium Thiosulphate (CAS: 7783-18-8)

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## SECTION 12: ECOLOGICAL INFORMATION

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#### **Ecotoxicity**

Not regarded as dangerous for the environment.

### 12.1. Toxicity

# Rapid Fixer

## Ecological information on ingredients.

### SODIUM METABISULPHITE (CAS: 7681-57-4)

LC 50, 96 Hrs, Fish mg/l

>150

EC 50, 48 Hrs, Daphnia, mg/l

89

IC 50, 72 Hrs, Algae, mg/l

48

## 12.2. Persistence and degradability

### **Degradability**

No data available.

## 12.3. Bioaccumulative potential

### **Bioaccumulative potential**

No data available on bioaccumulation.

## 12.4. Mobility in soil

### **Mobility:**

The product is soluble in water.

## 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

## 12.6. Other adverse effects

The product may contribute to an excessive enrichment of the aquatic environment with nutrients.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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### **General information**

The disposal process for this product when it becomes waste, depends largely upon how much (volume) waste is generated, where the waste is generated (location) and by whom (whether in a professional or amateur or other capacity). Therefore only outline guidance can be provided. For detailed guidance and specialist advice on the disposal of this product when it becomes waste, please visit the COPPICE web site at <http://www.pic.uk.net/coppice/index.htm>. The information is relevant to both professional and amateur users.

### **13.1. Waste treatment methods**

Used, diluted, and spent solutions may be allowed to be discharged to sanitary sewer by permit IF allowed by local regulations. Consult your local authority for advice. Waste may have to be pre-treated before discharge. Consult local authorities before discharging any waste to sewer. Do not discharge to septic system. Waste that cannot be discharged to sewer may have to be handled by a licensed hazardous waste contractor.

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## **SECTION 14: TRANSPORT INFORMATION**

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### **General**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

Not applicable.

### **14.2. UN proper shipping name**

Not applicable.

### **14.3. Transport hazard class(es)**

Not applicable.

### **Transport Labels**

No transport warning sign required.

# Rapid Fixer

## 14.4. Packing group

Not applicable.

## 14.5. Environmental hazards

### **Environmentally Hazardous Substance/Marine Pollutant**

No.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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## SECTION 15: REGULATORY INFORMATION

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **Approved Code Of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply. Worksafe Australia NOHSC 2012: Labelling of workplace substances. Australian Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). Australian Approved Criteria for Classifying Hazardous Substances (NOHSC 1008). Australian List of Designated Hazardous Substances (NOHSC 10005). Australian National Code of Practice for the Preparation of Material safety Data Sheets (NOHSC 2011)

#### **Guidance Notes**

CHIP for everyone HSG(108).

#### **EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. EU COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010.

### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

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#### **General information**

HARMAN technology Ltd believe the information and recommendations contained herein are based on correct and factual data. However, no express or implied guarantee or warranty of any kind is made with respect to this information. Use this information only to supplement other information you have gathered and then make an independent determination about the completeness and suitability of all information to ensure the proper use and disposal of this product and the health and safety of employees and customers.

#### **Information Sources**

European Photographic Chemical Industry Code of Practice For Classification And Labelling Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984. Material Safety Data Sheet, Misc. manufacturers.

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#### **Risk Phrases In Full**

R35	Causes severe burns.
R31	Contact with acids liberates toxic gas.
R10	Flammable.
R22	Harmful if swallowed.
NC	Not classified.
R41	Risk of serious damage to eyes.

## Rapid Fixer

### Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
EUH031	Contact with acids liberates toxic gas.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.