

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET

#### Ifotec RT Rapid Film Developer/ Replenisher (Part B)

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

#### 1. Identification

##### Product identifier

**Product name** Ifotec RT Rapid Film Developer/ Replenisher (Part B)  
**Product number** 1878176  
**Internal identification** 10030  
**Container size** 5 Litre

##### Recommended use of the chemical and restrictions on use

**Restriction on use** Photographic Developer Solution

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

**Supplier** Distributor  
Amplis Foto Inc, 22 Telson Road,  
Markham, Ontario L3R 1E5  
Tel: 905 477 4111  
Fax: 905 477 2502

**Contact person** Contact Distributor: christine@amplis.com, <http://www.amplis.com>

##### Emergency telephone number

**Emergency telephone** Canada/USA: For medical emergency, call 1 800 842 9660 (Product Misuse).

#### 2. Hazard identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

##### Label elements

**Hazard statements** NC Not Classified

**Precautionary statements** P102 Keep out of reach of children.  
P501 Dispose of contents/ container in accordance with local regulations.

**Supplemental label information** Contact with acids liberates toxic gas

##### Other hazards

No information available.

#### 3. Composition/information on ingredients

##### Mixtures

## Ilfotec RT Rapid Film Developer/ Replenisher (Part B)

<b>SODIUM BISULPHITE ....%</b>	<b>5-10%</b>
CAS number: 7631-90-5	
<b>Classification</b>	
Acute Tox. 4 - H302	

The full text for all hazard statements is displayed in Section 16.

### 4. First-aid measures

#### Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	No specific symptoms known.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause temporary eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations.
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### 5. Fire-fighting measures

#### Extinguishing media

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

#### Specific hazards arising from the hazardous product

<b>Specific hazards</b>	The product is non-combustible. No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of sulfur.

#### Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

### 6. Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8.
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#### Environmental precautions

## Ilfotec RT Rapid Film Developer/ Replenisher (Part B)

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Wear protective clothing, gloves, eye and face protection. Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

### Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Read and follow manufacturer's recommendations.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container. Storage advice to ensure the product remains in a useable condition throughout its specified shelf life: Store at temperatures above 0°C. Store at temperatures not exceeding 30°C.

**Storage class** Chemical storage.

### Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure controls/Personal protection

### Control parameters

### Occupational exposure limits

#### SODIUM BISULPHITE ....%

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m<sup>3</sup>

A4

ACGIH = American Conference of Governmental Industrial Hygienists.

A4 = Not Classifiable as a Human Carcinogen.

### Exposure controls

#### Protective equipment



**Appropriate engineering controls**

Provide adequate ventilation. This product must not be handled in a confined space without adequate ventilation.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection**

Use protective gloves.

**Other skin and body protection**

Wear suitable protective clothing as protection against splashing or contamination.

**Respiratory protection**

If ventilation is inadequate, suitable respiratory protection must be worn.

## 9. Physical and chemical properties

## Ilfotec RT Rapid Film Developer/ Replenisher (Part B)

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	No characteristic odour.
<b>pH</b>	pH (concentrated solution): 6.8
<b>Initial boiling point and range</b>	>100°C @ 760 mm Hg
<b>Relative density</b>	1.21 @ 20°C
<b>Solubility(ies)</b>	100% Soluble in water.
<b>Other information</b>	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	See the other subsections of this section for further details.
<b>Stability</b>	Stable under the prescribed storage conditions. No particular stability concerns.
<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, no hazardous reactions will occur.
<b>Conditions to avoid</b>	Avoid excessive heat for prolonged periods of time. Avoid contact with acids.
<b>Materials to avoid</b>	Strong acids. Avoid contact with other photographic solutions and/or cleaning compounds.
<b>Hazardous decomposition products</b>	Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours. Sulfur dioxide. Oxides of carbon.

### 11. Toxicological information

#### Information on toxicological effects

<b>Toxicological effects</b>	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.
<b><u>Acute toxicity - oral</u></b>	
<b>ATE oral (mg/kg)</b>	5,549.39
<b>Inhalation</b>	No specific health hazards known.
<b>Ingestion</b>	No specific health hazards known.
<b>Skin contact</b>	May cause irritation.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Acute and chronic health hazards</b>	No known chronic or acute health risks.
<b>Route of exposure</b>	Ingestion. Skin and/or eye contact
<b>Medical considerations</b>	May aggravate existing: Skin disorders and allergies. Pre-existing eye problems.

### 12. Ecological information

<b>Ecotoxicity</b>	Not regarded as dangerous for the environment.
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## Ilfotec RT Rapid Film Developer/ Replenisher (Part B)

**Toxicity** Not considered toxic to fish.

### Persistence and degradability

**Persistence and degradability** No data available.

### Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### Mobility in soil

**Mobility** The product is soluble in water.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**Disposal 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.

## 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

### UN number

**UN No. (International)** Not applicable.

### UN proper shipping name

**Proper shipping name (International)** Not applicable.

### Transport hazard class(es)

**Transport Labels (International)** Not applicable.

### Transport labels

No transport warning sign required.

### DOT transport label

### Packing group

**Packing group (International)** Not applicable.

### Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### Special precautions for user

Not applicable.

**DOT TIH Zone** Not applicable.

## Ilfotec RT Rapid Film Developer/ Replenisher (Part B)

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### 15. Regulatory information

#### Inventories

Canada – DSL/NDSL

*Water*

*SODIUM BISULPHITE ....%*

*Polyethylene Glycol*

*Potassium Sulphite*

### 16. Other information

<b>General information</b>	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.
<b>Key literature references and sources for data</b>	European Photographic Chemical Industry Code of Practice For Classification And Labelling Material Safety Data Sheet, Misc. manufacturers.
<b>Issued by</b>	HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email: trevor.rhodes@harmantechnology.com
<b>Revision date</b>	2018-08-21
<b>Revision</b>	2
<b>Supersedes date</b>	14/05/2015
<b>Hazard statements in full</b>	H302 Harmful if swallowed.