

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET

Ilfotol

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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 Ilfotol  
Product No. 1905162  
Internal Id 10256  
Container size 1 Litre

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

Identified uses Processing Auxiliary 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

Australia: 1-800-557346  
UK and elsewhere: +44(0) 207 858 1228

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#### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)  
Physical and Chemical Hazards Not classified.  
Human health Skin Sens. 1 - H317  
Environment Not classified.  
Classification (1999/45/EEC) R43.

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

##### 2.2. Label elements

Contains Reaction mass of 5-chloro-2-methyl-4-isothiazoline-3-one [EC no.247-500-7] and  
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (  
Label In Accordance With (EC) No. 1272/2008

## Ifotol



<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	H317 May cause an allergic skin reaction.
<b>Precautionary Statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P280 Wear protective gloves, eye and face protection. P302+352 IF ON SKIN: Wash with plenty of soap and water. P501 Dispose of contents/container in accordance with local regulations.

### 2.3. Other hazards

No information available.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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### 3.2. Mixtures

<b>C12-15 Alcohol ethoxylate</b>	<b>1-5%</b>
<b>CAS-No.: 68131-39-5</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R41. N;R50.
<b>Reaction mass of 5-chloro-2-methyl-4-isothiazoline-3-one [EC no.247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)</b>	<b>0.014%</b>
<b>CAS-No.: 55965-84-9</b>	<b>EC No.:</b>
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) T;R23/24/25. C;R34. N;R50/53. R43.

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

### Composition Comments

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.

# Ifotol

## **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**

May cause sensitisation by skin contact.

### **Eye contact**

May cause temporary eye irritation.

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

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**

In case of spills, beware of slippery floors and surfaces. Avoid contact with skin and eyes. Provide adequate ventilation.

### **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**

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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# Ifotol

## 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

#### **Ingredient Comments**

No exposure limits noted for ingredient(s).

### 8.2. Exposure controls

#### **Protective equipment**



#### **Engineering measures**

Provide adequate 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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	No characteristic odour.
<b>Solubility</b>	100% Soluble in water.
<b>Initial boiling point and boiling range (°C)</b>	>100
<b>Relative density</b>	1.005 @20°C
<b>pH-Value, Conc. Solution</b>	7

### 9.2. Other information

Not available.

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## SECTION 10: STABILITY AND REACTIVITY

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### 10.1. Reactivity

## Ifotol

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.

### **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

### **10.5. Incompatible materials**

#### **Materials To Avoid**

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

### **10.6. Hazardous decomposition products**

None under normal conditions.

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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 harmful effects expected in amounts likely to be ingested by accident.

#### **Skin contact**

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

#### **Eye contact**

No specific health warnings noted.

#### **Health Warnings**

Because of quantity and composition, the health hazard is small.

#### **Route of entry**

Skin and/or eye contact. Ingestion.

#### **Medical Symptoms**

No specific symptoms noted.

#### **Medical Considerations**

May aggravate existing: Skin disorders and allergies.

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## SECTION 12: ECOLOGICAL INFORMATION

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### **12.1. Toxicity**

The product is not expected to be hazardous to the environment.

### **12.2. Persistence and degradability**

## Ifotol

### 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

None known.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### 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.

#### Waste Class

090199

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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.

### 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.

## SECTION 15: REGULATORY INFORMATION

### 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)

#### 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. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including 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.

## SECTION 16: OTHER INFORMATION

#### 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

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#### Risk Phrases In Full

R34	Causes burns.
R22	Harmful if swallowed.
R43	May cause sensitisation by skin contact.
R41	Risk of serious damage to eyes.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

#### Hazard Statements In Full

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.