

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET

#### Ilfostop

---

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

---

### 1.1. Product identifier

Product name Ilfostop  
Product No. 1893870  
Internal Id 10021  
Container size 500ml

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

Identified uses Developer Stop 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

---

## SECTION 2: HAZARDS IDENTIFICATION

---

### 2.1. Classification of the substance or mixture

Classification (EC 1272/2008)  
Physical and Chemical Hazards Not classified.  
Human health Eye Irrit. 2 - H319  
Environment Not classified.  
Classification (1999/45/EEC) Xi;R36.

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

### 2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



# Ifostop

<b>Signal Word</b>	Warning	
<b>Hazard Statements</b>		
	H319	Causes serious eye irritation.
<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.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P501	Dispose of contents/container in accordance with local regulations.

## 2.3. Other hazards

No information available.

---

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

---

### 3.2. Mixtures

<b>Citric Acid</b>			<b>10-30%</b>
<b>CAS-No.: 77-92-9</b>		<b>EC No.: 201-069-1</b>	
Classification (EC 1272/2008) Eye Irrit. 2 - H319		Classification (67/548/EEC) Xi;R36.	

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

---

## SECTION 4: FIRST AID MEASURES

---

### 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 skin thoroughly 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

Irritation of eyes and mucous membranes.

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

No specific first aid measures noted.

---

## SECTION 5: FIREFIGHTING MEASURES

---

# Ifostop

## **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.

---

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

---

### **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. Prevent discharge of larger quantity to drain. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Wash contaminated area with water.

### **6.4. Reference to other sections**

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

---

## **SECTION 7: HANDLING AND STORAGE**

---

### **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 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.

---

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

### **8.1. Control parameters**

#### **Ingredient Comments**

No exposure limits noted for ingredient(s).

#### **Citric Acid (CAS: 77-92-9)**

### **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.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Orange.
<b>Odour</b>	Odourless. or No characteristic odour.
<b>Solubility</b>	100% Soluble in water.
<b>Initial boiling point and boiling range (°C)</b>	>100 760 mm Hg
<b>Relative density</b>	1.105 20
<b>pH-Value, Conc. Solution</b>	1

**9.2. Other information**

Not available.

**SECTION 10: STABILITY AND REACTIVITY**

**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.

**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**

When heated, vapours/gases hazardous to health may be formed.

**SECTION 11: TOXICOLOGICAL INFORMATION**

# Ifostop

## 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.

### **Ingestion**

No harmful effects expected in amounts likely to be ingested by accident. May cause discomfort if swallowed.

### **Skin contact**

Irritating to skin.

### **Eye contact**

Irritating to eyes.

### **Route of entry**

Skin and/or eye contact. Ingestion.

### **Medical Symptoms**

Eye contact may cause: Irritation of eyes and mucous membranes.

### Toxicological information on ingredients.

#### Citric Acid (CAS: 77-92-9)

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

>6730 mg/kg (oral rat)

#### **Toxic Dose 2 - LD 50**

5400 mg/kg (oral-mouse)

#### Skin Corrosion/Irritation:

Moderately Irritating.

#### Serious eye damage/irritation:

Moderately Irritating.

#### Aspiration hazard:

##### **Inhalation**

Dust may irritate respiratory system or lungs.

##### **Ingestion**

No specific health warnings noted.

##### **Skin contact**

No specific health warnings noted.

##### **Eye contact**

May cause severe irritation to eyes.

Ingestion. Skin and/or eye contact. Inhalation.

---

## **SECTION 12: ECOLOGICAL INFORMATION**

---

### 12.1. Toxicity

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

### 12.2. Persistence and degradability

#### **Degradability**

No data available.

### 12.3. Bioaccumulative potential

# Ifostop

## 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

Not known.

---

## SECTION 13: DISPOSAL CONSIDERATIONS

---

### 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

---

## SECTION 14: TRANSPORT INFORMATION

---

### 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

---

## Ifostop

### 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.

---

## 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

**Issued By** HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email: trevor.rhodes@harmantechnology.com

**Revision Date** 14/05/2015

**Revision** 8

**Supersedes date** 16/04/2014

#### Risk Phrases In Full

R36 Irritating to eyes.

#### Hazard Statements In Full

H319 Causes serious eye irritation.