

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET

#### Ilfostop

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

##### Product identifier

Product name Ilfostop

Product number 1893870

Internal identification 10021

Container size 500ml

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

Application Developer Stop Solution

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

Supplier Distributor  
USA: Robert Distributors, 220 East Saint Clair St, Indianapolis, IN 46204  
Tel: 877-281-6405

Contact Person Contact Distributor: sales@robertsdistributors.com

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

Emergency telephone

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2A - H319

Environmental hazards Not Classified

##### Label elements

##### Hazard symbols



Signal word Warning

Hazard statements H315 Causes skin irritation.  
H319 Causes serious eye irritation.

## Ifostop

### Precautionary statements

P102 Keep out of reach of children.  
 P280 Wear protective clothing, gloves, eye and face protection.  
 P302+P352 If on skin: Wash with plenty of water.  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P501 Dispose of contents/ container in accordance with local regulations.

### Other hazards

None known.

### 3. Composition/information on ingredients

#### Mixtures

<b>Citric Acid</b> CAS number: 77-92-9	<b>10-30%</b>
<b>Classification</b> Eye Irrit. 2 - H319	
<b>2-PHENOXYETHANOL</b> CAS number: 122-99-6	<b>1-5%</b>
<b>Classification</b> Acute Tox. 4 - H302 Eye Irrit. 2A - H319	

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>	Irritating to skin.
<b>Eye contact</b>	Irritation of eyes and mucous membranes.

#### Indication of 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 fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards** No unusual fire or explosion hazards noted.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances:  
Oxides of the following substances: Carbon. Sodium.

#### Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapors.

**Special protective equipment for firefighters** 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

**Personal precautions** Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8.

#### Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Wear protective clothing, gloves, eye and face protection. Wipe up with an absorbent cloth and dispose of waste safely. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

**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 uses(s)

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

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### 8. Exposure controls/Personal protection

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

##### Ingredient comments

No exposure limits known for ingredient(s).

#### 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

#### Information on basic physical and chemical properties

Appearance	Clear liquid.
Color	Orange.
Odor	Odorless. or No characteristic odor.
pH	pH (concentrated solution): 2.1
Initial boiling point and range	>100°C @ 760 mm Hg
Relative density	1.13 @ 20°C
Solubility(ies)	100% Soluble in water.
Other information	Not available.

### 10. Stability and reactivity

Reactivity	The following materials may react with the product: Strong alkalis. Strong oxidizing agents.
Stability	Stable under the prescribed storage conditions.
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to avoid	Avoid excessive heat for prolonged periods of time.
Materials to avoid	Strong alkalis. Strong oxidizing agents. Avoid contact with other photographic solutions and/or cleaning compounds.

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**Hazardous decomposition products** Thermal decomposition or combustion products may include the following substances:  
Oxides of the following substances: Carbon. Sodium.

### 11. Toxicological information

#### Information on toxicological effects

**Toxicological effects** 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.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 33,783.78

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident. May cause discomfort if swallowed.

**Skin Contact** Irritating to skin.

**Eye contact** Irritating to eyes.

**Route of exposure** Skin and/or eye contact Ingestion.

**Medical Symptoms** Symptoms following overexposure may include the following: Irritation of eyes and mucous membranes.

#### Toxicological information on ingredients.

##### Citric Acid

#### Skin corrosion/irritation

**Animal data** Moderately irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Moderately irritating.

**Inhalation** Dust may irritate the respiratory system.

**Ingestion** No specific health hazards known.

**Skin Contact** No specific health hazards known.

**Eye contact** May cause severe eye irritation.

**Route of exposure** Ingestion. Skin and/or eye contact Inhalation

### 12. Ecological information

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

#### Persistence and degradability

**Persistence and degradability** No data available.

#### Bioaccumulative potential

**Bio-Accumulative Potential** No data available on bioaccumulation.

#### Mobility in soil

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

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### Other adverse effects

**Other adverse effects** Not 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, DOT).

#### 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 labels

No transport warning sign required.

#### Packing group

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

#### Environmental hazards

##### **Environmentally Hazardous Substance**

No.

#### Special precautions for user

Not applicable.

**DOT TIH Zone** Not applicable.

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

### 15. Regulatory information

#### US State Regulations

**State Regulations Comments** No information available.

#### Inventories

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### US - TSCA

*2-PHENOXYETHANOL*

*Sodium Dihydrogen Citrate*

*Water*

*Citric Acid*

*Bromocresol Purple*

### 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
<b>Issued by</b>	SHE.Team@harmantechnology.com
<b>Revision date</b>	6/24/2019
<b>Revision</b>	3
<b>Supersedes date</b>	8/25/2017
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.