

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

ILFORD Simplicity Black & White Film Stop Bath

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

1. Identification

Product identifier

Product name ILFORD Simplicity Black & White Film Stop Bath

Product number 1178979

Container size 30ml

Recommended use of the chemical and restrictions on use

Application Developer Stop Solution

Details of the supplier of the safety data sheet

Supplier HARMAN technology Ltd
Ilford Way, Mobberley, Cheshire, WA16 7JL, UK.
Tel: +44(0)1565 650000; Fax: +44(0)1565 872734. (<http://harmantechnology.com>)

Contact Person Trevor Rhodes (Trevor.Rhodes@harmantechnology.com). Tel: as Supplier, above.
Based in USA: Michael Bain. Tel: 888 372 2338 extension 106.

Emergency telephone number

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

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.

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.

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Other hazards

None known.

3. Composition/information on ingredients

Mixtures

Citric Acid	10-30%
CAS number: 77-92-9	

Classification
Eye Irrit. 2 - H319

2-PHENOXYETHANOL	1-5%
CAS number: 122-99-6	

Classification
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

Inhalation	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. 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. Get medical attention if irritation persists after washing.
Eye contact	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

Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	Irritating to skin.
Eye contact	Irritation of eyes and mucous membranes.

Indication of immediate medical attention and special treatment needed

Notes for the doctor	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.

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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.

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.

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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.
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.

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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.

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

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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

US - TSCA

2-PHENOXYETHANOL

Sodium Dihydrogen Citrate

Water

Citric Acid

Bromocresol Purple

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.

Key literature references and sources for data

European Photographic Chemical Industry Code of Practice For Classification And Labelling

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Revision date	6/24/2019
Revision	4
Supersedes date	9/10/2018
SDS No.	20495
Hazard statements in full	H302 Harmful if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation.