

Ilfotec HC Film Developer USA/Can

ACCORDING TO HAZARDOUS PRODUCTS REGULATIONS (HPR)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Ilfotec HC Film Developer USA/Can
Product Code 1155064

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

Identified Use(s) Photographic Developer Solution
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer
Company Identification HARMAN Technology Ltd
Address of Manufacturer Ilford Way
Mobberley
Knutsford
Cheshire East
Postal code WA16 7JL
Telephone: +44(0)1565 650000
Fax +44(0)1565 872734
E-mail web-admin@harmantechnology.com
Office hours

Supplier
Company Identification Amplis Foto Inc.
Address of Supplier 22 Telson Street
Markham
Ontario

Postal code L3R 1E5
Telephone: 905 477 4111
Fax 905 477 2502
E-mail christine@amplis.com
Office hours

1.4 Emergency telephone number

Canadian Association for Poison Centres and Clinical Toxicology
Emergency Phone Number National Helpline (Ex. Québec & Nunavut) - 1-844-764-7669
Centre antipoison du Québec (CAPQ) - 1-800-463-5060
Nunavut - Contact your Local Health Centre
Contact contact@infopoison.ca

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Hazardous Products Regulations Acute Tox. 4 :Harmful if swallowed.
Skin Irrit. 2 :Causes skin irritation.
Skin Sens. 1B :May cause an allergic skin reaction.
Eye Dam. 1 :Causes serious eye damage.
Muta. 2 :Suspected of causing genetic defects.
Carc. 2 :Suspected of causing cancer.
Repr. 2 :Suspected of damaging fertility or the unborn child.
STOT RE 2 :May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Product Name Ilfotec HC Film Developer USA/Can

Hazard Pictogram(s)



GHS05



GHS08



GHS07

Signal Word(s) Danger

Hazard Statement(s) H302: Harmful if swallowed.
H315: Causes skin irritation.

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H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H341: Suspected of causing genetic defects.
 H351: Suspected of causing cancer.
 H361: Suspected of damaging fertility or the unborn child.
 H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P102: Keep out of reach of children.
 P280: Wear protective gloves/protective clothing/eye protection/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.
 P405: Store locked up.
 P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
2,2'-iminodiethanoldiethanolamine	111-42-2	10-30%	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT RE 2 H373	GHS05 GHS08 GHS07
2,2' -oxybisethanoldiethylene glycol	111-46-6	10-30%	Acute Tox. 4 H302 STOT RE 2 H373	GHS08 GHS07
Hydroquinone	123-31-9	5-10%	Acute Tox. 4 H302 Skin Sens. 1B H317 Eye Dam. 1 H318 Muta. 2 H341 Carc. 2 H351	GHS05 GHS08 GHS07
N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid)	67-43-6	1-5%	Eye Irrit. 2B H320 Acute Tox. 4 H332 Repr. 2 H361	GHS08 GHS07
4-methyl-1-phenyl-3-pyrazolidone	2654-57-1	<1%	Acute Tox. 4 H302 Skin Sens. 1 H317	GHS07
pentasodium (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate	140-01-2	<1%	Acute Tox. 4 H332 Repr. 2 H361	GHS08 GHS07

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation

IF exposed or concerned: Get medical advice/attention.

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label). IF exposed or concerned:

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion

Rinse mouth. Immediately call a POISON CENTER/doctor.

Ilfotec HC Film Developer USA/Can**4.2 Most important symptoms and effects, both acute and delayed**

Causes burns. Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Immediately call a POISON CENTER/doctor. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES**5.1 Extinguishing Media**Suitable Extinguishing Media As appropriate for surrounding fire.
Unsuitable Extinguishing Media None.**5.2 Special hazards arising from the substance or mixture**

May decompose in a fire, giving off toxic and irritant vapors.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be shovelled to contain spillage and to avoid contamination of sewers and watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE**7.1 Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

7.2 Conditions for safe storage, including any incompatibilities

Store locked up. Keep out of reach of children.

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Photographic Developer Solution

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Diethanolamine (2,2'-Iminodiethanol)	111-42-2		1			C3, Pc, IFV
Hydroquinone (Dihydroxybenzene)	123-31-9		1			C3, S(D)

Region Canada - English Source Regulation respecting occupational health and safety, Permissible Exposure Values for Airborne Contaminants, January 2023, Quebec, Canada.

Remark C3 Notes carcinogenic effect detected in animals. Results of studies relating to the carcinogenicity of these substances in animals are not necessarily applicable to humans.
Pc SKIN (percutaneous): The designation "Pc" in the Designation and remarks column refers to the potentially significant contribution to the overall exposure by the cutaneous route. Exposure is by contact with vapours or, of probable greater significance, by direct skin contact with the

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S(D)

substance. The cutaneous route includes mucous membranes and the eyes.
inhalable fraction and vapour
A substance that, through skin contact, shows specific signs of sensitization on the skin

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN ISO 16321-1).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Physical state	Liquid.
Color	Not known.
Odor	Not known.
Melting Point/Freezing Point	Not known.
Boiling point or initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	Not known.
Solubility	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
vapor pressure	Not known.
Density and/or relative density	Not known.
Relative vapor density	Not known.
Particle characteristics	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

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Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity - Ingestion	Calculation method : Harmful if swallowed. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1082.87
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 466.58
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye damage.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Suspected of causing genetic defects.
Carcinogenicity	Calculation method : Suspected of causing cancer.
Reproductive toxicity	Calculation method : Suspected of damaging fertility or the unborn child.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	Calculation method : Not classified.

11.2 Other information

Not known.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity**

	Very toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

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Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

SECTION 15: REGULATORY INFORMATION

This product has been classified in accordance with HPR and the SDS contains all the information required by HPR.

15.1 Canadian Regulations

Domestic Substances List (DSL)	111-42-2, 123-31-9, 111-46-6, 2654-57-1, 7732-18-5, 67-43-6, 7647-15-6, 7757-82-6, 21049-70-7, 140-01-2
Export Control List	Not listed
Priority Substances List (PSL)	Not listed
Toxic Substances List	111-42-2, 123-31-9, 111-46-6
National Pollutant Release Inventory (NPRI) Substance List	111-42-2, 123-31-9, 111-46-6

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



GHS05



GHS08



GHS07

Hazard classification

Acute Tox. 4 : Acute toxicity, Category 4
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2
 Skin Sens. 1 : Skin sensitization, Category 1
 Skin Sens. 1B : Skin sensitization, Category 1B
 Eye Dam. 1 : Serious eye damage/irritation, Category 1
 Eye Irrit. 2B : Serious eye damage/irritation, Category 2B
 Acute Tox. 4 : Acute toxicity, Category 4
 Muta. 2 : Germ cell mutagenicity, Category 2
 Carc. 2 : Carcinogenicity, Category 2
 Repr. 2 : Reproductive toxicity, Category 2
 STOT RE 2 : Specific target organ toxicity — repeated exposure, Category 2
 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1

Hazard Statement(s)

H302: Harmful if swallowed.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H320: Causes eye irritation.
 H332: Harmful if inhaled.
 H341: Suspected of causing genetic defects.
 H351: Suspected of causing cancer.
 H361: Suspected of damaging fertility or the unborn child.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H410: Very toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P102: Keep out of reach of children.
 P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P260: Do not breathe dust/fume/gas/mist/vapors/spray.
 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
 P264: Wash hands and exposed skin thoroughly after handling.

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P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor.
P314: Get medical advice/attention if you feel unwell.
P321: Specific treatment (see Medical Advice on this label).
P330: Rinse mouth.
P332+P313: If skin irritation occurs: Get medical advice/attention.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ATE : Acute Toxicity Estimate
CAS : Chemical Abstracts Service
LTEL : Long term exposure limit
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity

Key literature references and sources for Hazardous Products Regulations
data used to compile the SDS

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