Ilfotec HC Film Developer USA/Can

ACCORDING TO US CFR 1910.1200

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 sa	fety data sheet			
Manufacturer Company Identification	HARMAN Technology Ltd			
Address of Manufacturer	Ilford Way			
	Mobberley			
	Knutsford			
	Cheshire East			
Zip code	WA16 7JL			
Telephone:	+44(0)1565 650000			
Fax E-mail	+44(0)1565 872734 web-admin@harmantechnology.com			
Office hours	web-admini@harmancerinology.com			
Supplier				
Company Identification	Roberts Distributors L.P.			
Address of Supplier	220 E Saint Clair St.			
	Indianapolis			
	IN			
Zip code	46204 USA			
Telephone: E-mail	+1 877-281-6405 info@robertsdistributors.com			
Office hours				
1.4 Emergency telephone number				
State & Territory Poison Help Centres				
Emergency Phone No.	1-800-222-1222			
Contact	PoisonHelp@hrsa.gov			
Contact SECTION 2: HAZARDS IDENTIFICAT				
-				
SECTION 2: HAZARDS IDENTIFICAT	ION			
SECTION 2: HAZARDS IDENTIFICAT 2.1 Classification of the substance	ION or mixture			
SECTION 2: HAZARDS IDENTIFICAT	or mixture Acute Tox. 4 :Harmful if swallowed.			
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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.

H315: Causes skin irritation.

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	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-Acute Tox. 4 H302 GHS05 30% Skin Irrit. 2 H315 GHS08 Eye Dam. 1 H318 STOT RE 2 H373 GHS07 2,2' -oxybisethanoldiethylene glycol 111-46-6 Acute Tox. 4 H302 GHS08 10-30% STOT RE 2 H373 GHS07 Hydroquinone 123-31-9 5-10% Acute Tox. 4 H302 GHS05 Skin Sens. 1B H317 GHS08 GHS07 Eye Dam. 1 H318 Muta. 2 H341 Carc. 2 H351 Eye Irrit. 2B H320 GHS08 N-carboxymethyliminobis(ethylenenitrilo)tetra(acetic acid) 67-43-6 1-5% Acute Tox. 4 H332 GHS07 Repr. 2 H361 4-methyl-1-phenyl-3-pyrazolidone 2654-57-1 <1% Acute Tox. 4 H302 GHS07 Skin Sens. 1 H317 140-01-2 Acute Tox. 4 H332 GHS08 pentasodium <1% (carboxylatomethyl)iminobis(ethylenenitrilo)tetraacetate Repr. 2 H361 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.
4.2 Most important symptoms and effe	ects, both acute and delayed
	Causes burns. Allergic contact dermatitis.
4.3 Indication of any immediate medica	al attention and special treatment needed
•	Specific treatment (see Medical Advice on this label). Immediately call a POISON
	CENTER/doctor. Treat symptomatically.

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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				
.	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 I	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 contain	iment 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 shoveled			
	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 STORAG				
SECTION 7. HANDLING AND STORAG				
7.1 Precautions for safe handling				
Ũ	Obtain special instructions before use. Do not handle until all safety precautions			
	have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/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, inclu				
	Store locked up.			
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	111-42-2	0.2	1			ACGIH TLV, IFV, Skin, A3
Diethanolamine	111-42-2	3	15			NIOSH REL Z-1
Hydroquinone (Dihydroxybenzene)	123-31-9		1			ACGIH TLV, DSEN, A3
Hydroquinone; 1,4-benezendiol; Dihydroxybenzene	123-31-9		2			OSHA PEL
Hydroquinone (Dihydroxybenzene)	123-31-9				2	NIOSH REL Z-1, C, ST [15min]
Hydroquinone (Dihydroxybenzene)	123-31-9		2			OSHA PEL Z-1
Diethylene Glycol	111-46-6		10			OARS

Remark ACGIH TLV IFV Skin A3 NIOSH REL Z-1

Notes The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2024 Measured as Inhalable fraction and vapor Danger of cutaneous absorption Confirmed Animal Carcinogen with Unknown Relevance to Humans National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022

SAFETY DATA SHEET

Date of Issue: 18-07-2024 Date of Revision: 17-07-2027

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	xposure Indices (AÇGIH)				
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Methemoglobin Inducers	123-31-9	During or end of shift	blood	Methemoglobin	5% of hemoglobin	B, Ns
^{Remark} B b Ns	_{Notes} Background After exposure t Nonspecific	o soluble compound	ds			
	te engineering co	facility/wate			ilation or breathing protection. A w purposes should be present.	vashing
	protection equipm Eye Protection		protection	with side protectio	n (EN ISO 16321-1).	
	Skin protection				npervious gloves (EN 374). Breaki nformation provided by the gloves	
	Respiratory prote	ction A suitable i	mask with	filter type A (EN14	4387 or EN405) may be appropria	te.
	Thermal hazards	None know	'n.			

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

3.1 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	Not known.				
boiling range					
Flammability	Not known.				
Lower and upper explosion limit	Not known.				
Flash Point	Not known.				
Auto-ignition temperature	Not known.				
Decomposition Temperature	Not known.				
рН	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					

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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	3
		No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	
		None anticipated.
10.5	Incompatible materials	
		Not known.
10.6	Hazardous decomposition produc	
		No hazardous decomposition products known.
SEC	TION 11: TOXICOLOGICAL INFORM	IATION

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

Ilfotec HC Film Developer USA/Can

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	No.4 and Reading		
14.3 Transport hazard class(es)	Not applicable		
	Not applicable		
14.4 Packing group	Not applicable		
14.5 Environmental hazards			
	Not classified as a Marine Pollu	itant.	
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			
45.4 US Federal Demulations			
15.1 US Federal Regulations Toxic and hazardous substances (29 Listed : 123-31-9			
CFR 1910; Subpart Z) National emission standards for	Not listed		
hazardous air pollutants (40 CFR 61.01))		
SARA Title III Section 313 TSCA (Toxic Substance Control Act)	Listed : 111-42-2, 123-31-9 Listed : 111-42-2 (Active), 123-3	31-9 (Active), 111-46-6 (Active), 2654-57-1 (Active),	
· · · · · · · · · · · · · · · · · · ·	7732-18-5 (Active), 67-43-6 (Ac 70-7 (Active), 140-01-2 (Active)	ctive), 7647-15-6 (Active), 7757-82-6 (Active), 21049-	
CAA 602 - Ozone Depleting Substances			
(ODS) 15.2 US State Regulations			
State Right to Know Lists			
Proposition 65 (California) Massachusetts		Listed : 111-42-2 Listed : 111-42-2, 123-31-9, 7757-82-6	
Minnesota		Listed : 111-42-2, 123-31-9, 111-46-6 Listed : 111-42-2, 123-31-9	
New Jersey Pennsylvania		Listed : 111-42-2, 123-31-9 Listed : 123-31-9, 7757-82-6	
Rhode Island 15.3 Other		Listed : 111-42-2, 123-31-9, 111-46-6	
OSPAR List of Chemicals for Priority Action		Not listed	
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives) NTP (National Toxicology Program)		Not listed Not listed	
ADD (Internetional America for December 2000)			

IARC (International Agency for Research on Cancer)

Listed : 111-42-2, 123-31-9

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)



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

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	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 genetic deletes.
	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)	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/vapours/spray.
	P264: Wash hands and exposed skin thoroughly after handling.
	P270: Do not eat, drink or smoke when using this product.
	P272: Contaminated work clothing must 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
Actoriyins	CAS : Chemical Abstracts Service
	LTEL : Long term exposure limit
	STEL : Short term exposure limit
	STOT : Specific Target Organ Toxicity
Key literature references and sources fo data used to compile the SDS	r US CFR 1910.1200
Disclaimers	Information contained in this publication or as otherwise supplied to Users is believed
	to be accurate and is given in good faith, but it is for the Users to satisfy themselves
	of the suitability of the product for their own particular purpose. HARMAN Technology
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	any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. HARMAN Technology Ltd accepts no

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