

**Ifotec RT Rapid Developer/Replenisher (Part A) 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 Ifotec RT Rapid Developer/Replenisher (Part A) USA/CAN  
Product Code 1878176

**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  
WA16 7JL  
Zip code  
Telephone: +44(0)1565 650000  
Fax +44(0)1565 872734  
E-mail web-admin@harmantechnology.com  
Office hours

Supplier  
Company Identification Roberts Distributors L.P.  
Address of Supplier 220 E Saint Clair St.  
Indianapolis  
IN  
46204 USA  
Zip code  
Telephone: +1 877-281-6405  
E-mail 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

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

US CFR 1910.1200  
Skin Irrit. 2 :Causes skin irritation.  
Skin Sens. 1B :May cause an allergic skin reaction.  
Eye Irrit. 2A :Causes serious eye irritation.  
Muta. 2 :Suspected of causing genetic defects.  
Carc. 2 :Suspected of causing cancer.  
Repr. 2 :Suspected of damaging fertility or the unborn child.

**2.2 Label elements**

According to US CFR 1910.1200  
Product Name Ifotec RT Rapid Developer/Replenisher (Part A) USA/CAN

Hazard Pictogram(s)



GHS08



GHS07

Signal Word(s)

Warning

Hazard Statement(s)

H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H341: Suspected of causing genetic defects.  
H351: Suspected of causing cancer.  
H361: Suspected of damaging fertility or the unborn child.

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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)
Potassium sulphite	10117-38-1	10-30%	Not classified.	None
Potassium carbonate	584-08-7	5-10%	Skin Irrit. 2 H315 Eye Irrit. 2B H320 STOT SE 3 H335	GHS07
sodium carbonate	497-19-8	5-10%	Eye Irrit. 2A H319	GHS07
Hydroquinone	123-31-9	<2.5%	Acute Tox. 4 H302 Skin Sens. 1B H317 Eye Dam. 1 H318 Muta. 2 H341 Carc. 2 H351	GHS05 GHS08 GHS07
pentasodium (carboxylatomethyl)iminobis(ethylenitrilo)tetraacetate	140-01-2	<1%	Acute Tox. 4 H332 Repr. 2 H361	GHS08 GHS07
sodium hydroxide	1310-73-2	<1%	Met. Corr. 1 H290 Skin Corr. 1A H314	GHS05
4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one	13047-13-7	<1%	Acute Tox. 4 H302	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. IF exposed or concerned: Get medical advice/attention. If eye irritation persists:  
Ingestion IF exposed or concerned: Get medical advice/attention.

**4.2 Most important symptoms and effects, both acute and delayed**

May cause irritation. Allergic contact dermatitis.

**4.3 Indication of any immediate medical attention and special treatment needed**

Specific treatment (see Medical Advice on this label). IF exposed or concerned: Get medical advice/attention. Treat symptomatically.

**SECTION 5: FIRE-FIGHTING MEASURES****5.1 Extinguishing Media**

**Ilfotec RT Rapid Developer/Replenisher (Part A) USA/CAN**

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**

Absorb 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 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/vapours/spray. Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

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 <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
Hydroquinone (Dihydroxybenzene)	123-31-9		1			ACGIH TLV, DSEN, A3
Hydroquinone; 1,4-benzendiol; 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
Sodium hydroxide	1310-73-2				2	ACGIH TLV, C
Sodium hydroxide; caustic soda	1310-73-2				2	OSHA PEL, C
Sodium hydroxide	1310-73-2				2	NIOSH REL Z-1, C
Sodium hydroxide	1310-73-2		2			OSHA PEL Z-1

**Remark**

ACGIH TLV  
 DSEN  
 A3  
 OSHA PEL  
 NIOSH REL Z-1  
  
 C  
 ST [15min]  
 OSHA PEL Z-1

**Notes**

The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2024  
 May cause dermal sensitization  
 Confirmed Animal Carcinogen with Unknown Relevance to Humans  
 Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019  
 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  
 Ceiling limit of Short-term Exposure Limit  
 Short Term Exposure Limit with 15min duration  
 Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022

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BEI: Biological Exposure Indices (ACGIH)						
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	Notes
B	Background
b	After exposure to soluble compounds
Ns	Nonspecific

**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****SECTION 10: STABILITY AND REACTIVITY**

**Ilfotec RT Rapid Developer/Replenisher (Part A) USA/CAN**

<b>10.1 Reactivity</b>	None anticipated.
<b>10.2 Chemical Stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	None anticipated.
<b>10.5 Incompatible materials</b>	Not known.
<b>10.6 Hazardous decomposition products</b>	No hazardous decomposition products known.

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

Acute toxicity - Ingestion	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 20966.12
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified. Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 1477.7
Skin corrosion/irritation	Calculation method : Causes skin irritation.
Serious eye damage/irritation	Calculation method : Causes serious eye irritation.
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 : Not classified.
Aspiration hazard	Calculation method : Not classified.

**11.2 Other information**

Not known.

**SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

	Toxic to aquatic life. Harmful 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**

**Ilfotec RT Rapid Developer/Replenisher (Part A) USA/CAN**

	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable
<b>14.4 Packing group</b>	Not applicable
<b>14.5 Environmental hazards</b>	Not classified as a Marine Pollutant.
<b>14.6 Special precautions for user</b>	Not known
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not known

**SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 123-31-9, 1310-73-2
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Listed : 123-31-9
TSCA (Toxic Substance Control Act)	Listed : 10117-38-1 (Active), 584-08-7 (Active), 123-31-9 (Active), 497-19-8 (Active), 13047-13-7 (Active), 140-01-2 (Active), 1310-73-2 (Active), 7732-18-5 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

**15.2 US State Regulations**

State Right to Know Lists	Not listed
Proposition 65 (California)	Listed : 123-31-9, 1310-73-2
Massachusetts	Listed : 123-31-9, 1310-73-2
Minnesota	Listed : 123-31-9, 1310-73-2
New Jersey	Listed : 123-31-9, 1310-73-2
Pennsylvania	Listed : 123-31-9, 1310-73-2
Rhode Island	Listed : 123-31-9, 1310-73-2

**15.3 Other**

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program )	Not listed
IARC (International Agency for Research on Cancer )	Listed : 123-31-9

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

Hazard Pictogram(s)



GHS08



GHS07

GHS05: GHS: Corrosion

Hazard classification

Met. Corr. 1 : Substance or mixture corrosive to metals, Category 1  
 Acute Tox. 4 : Acute toxicity, Category 4  
 Skin Corr. 1A : Skin corrosion/irritation, Category 1A  
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
 Skin Sens. 1B : Skin sensitization, Category 1B  
 Eye Dam. 1 : Serious eye damage/irritation, Category 1  
 Eye Irrit. 2A : Serious eye damage/irritation, Category 2A  
 Eye Irrit. 2B : Serious eye damage/irritation, Category 2B  
 Acute Tox. 4 : Acute toxicity, Category 4  
 STOT SE 3 : Specific target organ toxicity — single exposure, Category 3

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Muta. 2 : Germ cell mutagenicity, Category 2  
 Carc. 2 : Carcinogenicity, Category 2  
 Repr. 2 : Reproductive toxicity, Category 2

## Hazard Statement(s)

H290: May be corrosive to metals.  
 H302: Harmful if swallowed.  
 H314: Causes severe skin burns and eye damage.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H318: Causes serious eye damage.  
 H319: Causes serious eye irritation.  
 H320: Causes eye irritation.  
 H332: Harmful if inhaled.  
 H335: May cause respiratory irritation.  
 H341: Suspected of causing genetic defects.  
 H351: Suspected of causing cancer.  
 H361: Suspected of damaging fertility or the unborn child.

## Precautionary Statement(s)

P201: Obtain special instructions before use.  
 P202: Do not handle until all safety precautions have been read and understood.  
 P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P272: Contaminated work clothing must not be allowed out of the workplace.  
 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.  
 P308+P313: IF exposed or concerned: Get medical advice/attention.  
 P321: Specific treatment (see Medical Advice on this label).  
 P332+P313: If skin irritation occurs: Get medical advice/attention.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P337+P313: If eye irritation persists: 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 US CFR 1910.1200  
 data used to compile the SDS

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