

**2000RT Fixer/Replenisher 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 2000RT Fixer/Replenisher USA/CAN  
Product code 1758524

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

Identified Use(s) Photographic Fixer 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 Not classified as dangerous for supply/use.

**2.2 Label elements**

Product Name 2000RT Fixer/Replenisher USA/CAN

Hazard Pictogram(s) None.

Signal Word(s) None.

Hazard Statement(s) None.

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.  
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**

**2000RT Fixer/Replenisher USA/CAN****3.1 Substances**

Not applicable.

**3.2 Mixtures**

| HAZARDOUS INGREDIENT(S)                              | CAS No.   | %W/W   | Hazard Statement(s)                                    | Hazard Pictogram(s) |
|--|-----------|--------|--|---------------------|
| Ammonium thiosulphate                                | 7783-18-8 | 30-60% | Not classified   | None                |
| sodium hydrogensulphite ... %sodium bisulphite ... % | 7631-90-5 | 1-5%   | Acute Tox. 4 H302                                      | GHS07               |
| acetic acid ... %                                    | 64-19-7   | <2%    | Flam. Liq. 3 H226<br>Skin Corr. 1A H314<br>Liq. Static | GHS02<br>GHS05      |

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

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

Inhalation Treat symptomatically.  
 Skin Contact Treat symptomatically.  
 Eye Contact Treat symptomatically.  
 Ingestion Treat symptomatically.

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

Treat symptomatically.

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

Treat symptomatically.

**SECTION 5: FIREFIGHTING 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**

None anticipated. Heating may cause decomposition.

**5.3 Advice for firefighters**

As appropriate for surrounding fire.

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

Provide adequate ventilation. Wear suitable gloves if prolonged skin contact is likely.

**6.2 Environmental precautions**

Do not release large quantities into the surface water or into drains.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling****7.2 Conditions for safe storage, including any incompatibilities**

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)**

Not known.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**2000RT Fixer/Replenisher USA/CAN****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 |
| Acetic acid                  | 64-19-7   | 10                  | 25                                 | 20         | 50                        |      |
| Sodium hydrogen sulphite     | 7631-90-5 |                     | 5                                  |            |                           |      |

Region                      Source  
United Kingdom        UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark                    Notes

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls    Ensure adequate ventilation. 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                      Not normally required.



Respiratory protection            Normally no personal respiratory protection is necessary.



Thermal hazards                    None known.

8.2.3. Environmental Exposure Controls    Do not release large quantities into the surface water or into drains.

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

|  |  |
|--|--|
| Physical state   | Liquid.  |
| Colour   | Not known.   |
| Odour  | 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.<br>Solubility (Other) : Not known. |
| Partition coefficient n-octanol/water (log value)        | Not known.   |
| Vapour pressure  | Not known.   |
| Density and/or relative density                          | Not known.   |
| Relative vapour density                                  | Not known.   |
| Particle characteristics                                 | Not known.   |

**9.2 Other information**

None.

**SECTION 10: STABILITY AND REACTIVITY**

**2000RT Fixer/Replenisher 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.<br>Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 12834.33 |
| Acute toxicity - Skin Contact  | Calculation method : Not classified.  |
| Acute toxicity - Inhalation    | Calculation method : Not classified.  |
| Skin corrosion/irritation      | Calculation method : Causes mild skin irritation.   |
| Serious eye damage/irritation  | Calculation method : Not classified.  |
| Skin sensitization data        | Calculation method : Not classified.  |
| Respiratory sensitization data | Calculation method : Not classified.  |
| Germ cell mutagenicity         | Calculation method : Not classified.  |
| Carcinogenicity                | Calculation method : Not classified.  |
| Reproductive toxicity          | Calculation method : Not classified.  |
| 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**

|                                    |                                |
|------------------------------------|--------------------------------|
| Toxicity - Aquatic invertebrates   | Low toxicity to invertebrates. |
| Toxicity - Fish                    | Low toxicity to fish.          |
| Toxicity - Algae                   | Low toxicity to algae.         |
| 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 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**

**2000RT Fixer/Replenisher USA/CAN**

|  |                                       |
|--|---------------------------------------|
|  | 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**

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)                             | 7732-18-5, 7783-18-8, 127-09-3, 64-19-7, 7631-90-5 |
| Export Control List  | Not listed   |
| Priority Substances List (PSL)                             | Not listed   |
| Toxic Substances List                                      | 64-19-7  |
| National Pollutant Release Inventory (NPRI) Substance List | 64-19-7  |

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

|  |   |
|--|---|
| Hazard Pictogram(s)  | None.<br><br>GHS02: GHS: Flame<br>GHS05: GHS: Corrosion<br>GHS07: GHS: Exclamation mark   |
| Hazard classification  | Flam. Liq. 3 : Flammable liquid, Category 3<br>Acute Tox. 4 : Acute toxicity, Category 4<br>Skin Corr. 1A : Skin corrosion/irritation, Category 1A<br>Liq. Static : Static Accumulating Flammable Liquids   |
| Hazard Statement(s)  | H226: Flammable liquid and vapour.<br>H302: Harmful if swallowed.<br>H314: Causes severe skin burns and eye damage.<br>Static accumulating flammable liquid can become electrostatically charged even in bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.  |
| Precautionary Statement(s)   | P102: Keep out of reach of children.<br>P280: Wear protective gloves/protective clothing/eye protection/face protection.<br>P302+P352: IF ON SKIN: Wash with plenty of water.<br>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P501: Dispose of contents in accordance with local, state or national legislation.                           |
| Acronyms   | ATE : Acute Toxicity Estimate<br>CAS : Chemical Abstracts Service<br>LTEL : Long term exposure limit<br>STEL : Short term exposure limit<br>STOT : Specific Target Organ Toxicity   |
| Key literature references and sources for data used to compile the SDS | Hazardous Products Regulations  |
| 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 Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the |

**2000RT Fixer/Replenisher USA/CAN**

extent that exclusion is prevented by law. HARMAN Technology Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.