

2000RT Fixer/Replenisher 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 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 Roberts Distributors L.P.
Address of Supplier 220 E Saint Clair St.
Indianapolis
IN
Zip code 46204 USA
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 Not classified as dangerous for supply/use.

2.2 Label elements

According to US CFR 1910.1200
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**3.1 Substances**

Not applicable.

3.2 Mixtures

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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 Skin Corr. 1A H314 Liq. Static	GHS02 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**

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**8.1 Control parameters****8.1.1 Occupational Exposure Limits**

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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
Acetic acid	64-19-7	10	25	15	37	ACGIH TLV
Acetic acid	64-19-7	10		15		OSHA PEL, C = 40ppm
Acetic acid	64-19-7	10	25	15	37	NIOSH REL Z-1
Acetic acid	64-19-7	10	25			OSHA PEL Z-1
Sodium bisulfite	7631-90-5		5			ACGIH TLV, A4
Sodium bisulfite	7631-90-5		5			NIOSH REL Z-1

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2024
OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019
NIOSH REL Z-1	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
OSHA PEL Z-1 A4	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022 Not Classifiable as a Human Carcinogen

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**

Appearance	Liquid. Colour : Not known.
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.

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Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	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	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 : Not classified. 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.

2000RT Fixer/Replenisher USA/CAN**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	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**15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 64-19-7
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed : 7732-18-5 (Active), 7783-18-8 (Active), 127-09-3 (Active), 64-19-7 (Active), 7631-90-5 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations

State Right to Know Lists	
Proposition 65 (California)	Not listed
Massachusetts	Listed : 7783-18-8, 64-19-7, 7631-90-5
Minnesota	Listed : 64-19-7, 7631-90-5
New Jersey	Listed : 64-19-7, 7631-90-5
Pennsylvania	Listed : 7783-18-8, 64-19-7, 7631-90-5
Rhode Island	Listed : 64-19-7, 7631-90-5

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)	Not listed

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s)	None. GHS02: GHS: Flame GHS05: GHS: Corrosion GHS07: GHS: Exclamation mark
Hazard classification	Flam. Liq. 3 : Flammable liquid, Category 3 Acute Tox. 4 : Acute toxicity, Category 4 Skin Corr. 1A : Skin corrosion/irritation, Category 1A Liq. Static : Static Accumulating Flammable Liquids
Hazard Statement(s)	H226: Flammable liquid and vapour. H302: Harmful if swallowed. H314: Causes severe skin burns and eye damage. Static accumulating flammable liquid can become electrostatically charged even in

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bonded and grounded equipment. Sparks may ignite liquid and vapor. May cause flash fire or explosion.

Precautionary Statement(s)
Acronyms

None.
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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