

Microphen Developer (Part B) 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 Microphen Developer (Part B) USA/Can
Product Code 1173875

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

Identified Use(s) Photographic Developer
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 Repr. 1B :May damage fertility or the unborn child.

2.2 Label elements

According to US CFR 1910.1200
Product Name Microphen Developer (Part B) USA/Can

Hazard Pictogram(s)



GHS08

Signal Word(s) Danger

Hazard Statement(s) H360: May damage fertility or the unborn child.

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.
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.

Microphen Developer (Part B) USA/Can**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)
sodium sulfite	7757-83-7	60-100%	Not classified.	None
Sodium tetraborate decahydrate	1303-96-4	<8.5%	Eye Irrit. 2B H320 Repr. 1B H360	GHS08

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 IF exposed or concerned: Get medical advice/attention.
 Eye Contact IF exposed or concerned: Get medical advice/attention.
 Ingestion IF exposed or concerned: Get medical advice/attention.

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

IF exposed or concerned: Get medical advice/attention. 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

Heating may cause decomposition.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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

Provide adequate ventilation. Avoid dust generation. Do not breathe dust. 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

Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable.

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. 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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Microphen Developer (Part B) 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 ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Borate compounds, inorganic	1303-96-4		2		6	ACGIH TLV, I, A4
Sodium tetraborate, decahydrate	1303-96-4		5			NIOSH REL Z-1

Remark	Notes
ACGIH TLV	The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022
I	Measured as Inhalable fraction of the aerosol
A4	Not Classifiable as a Human Carcinogen
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

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection.

8.2.2. Personal protection equipment



Eye Protection Wear eye protection with side protection (EN166).



Skin protection Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection Normally no personal respiratory protection is necessary.



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**

Appearance	Solid.
	Color : Not known.
Odor	Not known.
Odor Threshold	Not known.
pH	Not known.
Melting Point/Freezing Point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not applicable.
Evaporation Rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor 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.
Viscosity	Not known.

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Explosive properties Not known.
Oxidizing 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.
Acute toxicity - Skin Contact Calculation method : Not classified.
Acute toxicity - Inhalation Calculation method : Not classified.
Skin corrosion/irritation Calculation method : Not classified.
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 : May damage 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
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 of contents in accordance with local, state or national legislation. 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.

Microphen Developer (Part B) 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)	Not listed
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 : 7757-83-7 (Active), 7758-02-3 (Active), 7758-29-4 (Active), 1303-96-4 (Active), 7757-82-6 (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 : 7758-29-4, 1303-96-4, 7757-82-6
Minnesota	Listed : 1303-96-4
New Jersey	Listed : 1303-96-4
Pennsylvania	Listed : 7758-29-4, 1303-96-4, 7757-82-6
Rhode Island	Listed : 1303-96-4

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)



GHS08

Hazard classification Eye Irrit. 2B : Serious eye damage/irritation, Category 2B
 Repr. 1B : Reproductive toxicity, Category 1B

Hazard Statement(s) H320: Causes eye irritation.
 H360: May damage 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.

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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313: IF exposed or concerned: Get medical advice/attention.

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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