

Microphen Developer (Part B) 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 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
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 Repr. 1B :May damage fertility or the unborn child.

2.2 Label elements

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

Microphen Developer (Part B) USA/Can

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)
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. Keep out of reach of children.

Storage temperature Ambient.
 Storage life Stable under normal conditions.
 Incompatible materials None known.

Microphen Developer (Part B) USA/Can**7.3 Specific end use(s)**

Photographic Developer

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:
Borate, inorganic compounds, (including boric acid)	1303-96-4		2		6	Id

Region Canada - English Source Regulation respecting occupational health and safety, Permissible Exposure Values for Airborne Contaminants, May 2024, Quebec, Canada.

Remark Id Notes inhalable dust

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 (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

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**

Physical state	Solid.
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 applicable.
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.

Microphen Developer (Part B) USA/Can

Particle characteristics 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.

SECTION 14: TRANSPORT INFORMATION

Microphen Developer (Part B) USA/Can**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

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)	7757-83-7, 7758-02-3, 7758-29-4, 1303-96-4, 7757-82-6
Export Control List	Not listed
Priority Substances List (PSL)	Not listed
Toxic Substances List	Not listed
National Pollutant Release Inventory (NPRI) Substance List	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)

P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
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 Hazardous Products Regulations data used to compile the SDS

Disclaimers

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