MaraSolv Dental X-Ray Developer

1 Identification

GHS Product Identifier
MaraSolv Dental X-Ray Developer

Recommended use of the chemical and restriction on use
X-Ray Processing

Supplier's details
Maratek Environmental Inc.
64 Healey Rd.
Bolton, ON
L7E 5A5
905-857-2738

Emergency phone number
Canutec (EMERGENCY 24 HR): 613-996-6666

2 Hazard(s) identification

Classification of the substance or mixture
D2B - Toxic Substance

GHS label elements

Warning

Harmful if swallowed
Causes skin irritation
Causes eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled

Keep out of reach of children.
Keep container tightly closed.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Use personal protective equipment as required.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3 Composition/information on ingredients

<table>
<thead>
<tr>
<th>Description</th>
<th>CAS Number</th>
<th>EINECS Number</th>
<th>%</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium hydroxide</td>
<td>1310-58-3</td>
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<td></td>
<td></td>
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<tr>
<td>Hydroquinone</td>
<td>123-31-9</td>
<td>1 - 2</td>
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</tbody>
</table>

### 4 First-aid measures

**Description of necessary first-aid measures**

Skin Contact: Wash exposed skin thoroughly with soap and water. If irritation persists, call a physician.

Eye Contact: Flush with running water for at least 15 minutes. Call a physician.

Ingestion: Drink large quantities of water to dilute. DO NOT induce vomiting. Obtain medical attention immediately.

Inhalation: If inhaled, remove to fresh air.

### 5 Fire-fighting measures

**Specific hazards arising from the chemical**

Non-flammable.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Latex/Nitrile gloves, Splash goggles, Neoprene or PVC apron

**Methods and materials for containment and cleaning up**

Containment:
Wear appropriate PPE during clean up. Isolate area of spill by diking. Stop the source of the leak. Transfer contents to nonleaking container or storage vessel; Add dry absorbent. Clean up and place in an approved container and seal. Wash all contaminated clothing before reuse.

Disposal:
Dispose of contaminated product, empty containers and material used in clean up in a manner approved for this material. Consult federal, provincial and local regulatory agencies to determine disposal procedures.

### 7 Handling and storage

**Precautions for safe handling**

Read and follow the label, this SDS, and the instructions before using. Avoid contact with skin and eyes. Wear protective clothing. Do not take internally. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities

Keep container tightly closed, and out of reach of children.

8 Exposure controls/personal protection

Control parameters

Hydroquinone: ACGIH TLV: 0.5 mg/m³ (WEL 8 hr limit)

Potassium Hydroxide: ACGIH TLV: 2 mg/m³ (WEL 15 min limit)

Appropriate engineering controls

Local mechanical exhaust ventilation with 10-15 air changes per hour

Individual protection measures

Latex/Nitrile gloves, Splash goggles, Neoprene or PVC apron. Emergency eyewash station nearby.

9 Physical and chemical properties

Physical and chemical properties

Physical State: Liquid
Odour: None
Colour: Pale yellow
Vapour Pressure: 17.0 MML-LG
Vapour Density: 0.6 (Air = 1)
Boiling Point: >= 100°C
Freezing Point: <= 0°C
pH: 10.55
Specific Gravity: 1.08
Solubility in Water: COMPLETE @ 20°C
Percent Volatile (by Volume): 92%
Flammable: No

10 Stability and reactivity

Chemical stability

Stable under ambient conditions.

Conditions to avoid

Boiling temperatures (100°C)

Incompatible materials

N/A

Hazardous decomposition products

Corrosive, burning, produces irritating, toxic and obnoxious fumes.

11 Toxicological information

Information on the likely routes of exposure

Dermal contact, eye contact, ingestion.

Delayed and immediate effects and also chronic effects from short and long term exposure
Harmful if swallowed. Do not take internally. Low hazard for ordinary industrial handling. May cause eye/skin irritation on contact.

Repeated contact may cause skin irritation.

<table>
<thead>
<tr>
<th>12</th>
<th>Ecological information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Toxicity</strong></td>
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<tr>
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<table>
<thead>
<tr>
<th>13</th>
<th>Disposal considerations</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Disposal methods</strong></td>
</tr>
<tr>
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<tr>
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<th>Transport information</th>
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<td><strong>UN Number</strong></td>
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<td></td>
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<tr>
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<th>Regulatory information</th>
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<tbody>
<tr>
<td></td>
<td><strong>Safety, health and environmental regulations specific for the product in question</strong></td>
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<tr>
<td></td>
<td>HMIS Scale: HEALTH 2   FLAMMABILITY 0  REACTIVITY 0  PPE C</td>
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</tbody>
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<table>
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<tr>
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<th>Other information</th>
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1 Identification

GHS Product Identifier
MaraSolv Dental X-Ray Fixer

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X-Ray Processing

Supplier's details
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64 Healey Rd.
Bolton, ON
L7E 5A5
905-857-2738

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2 Hazard(s) identification

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D2B - Toxic Substance

GHS label elements

Warning

Harmful if swallowed
Causes skin irritation
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Keep out of reach of children.
Keep container tightly closed.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Do not get in eyes, on skin, or on clothing.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Use personal protective equipment as required.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN: Wash with plenty of soap and water.

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<tr>
<td>Ammonium Thiosulfate</td>
<td>7783-18-8</td>
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<td>8 - 12</td>
<td>IMPORTANT!! ACTUAL CAS #: 7723-18-5, GHS program wasn’t accepting that as input.</td>
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<tr>
<td>Water</td>
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<td>Acetic Acid</td>
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<td>sodium sulfite</td>
<td>7757-83-7</td>
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4 First-aid measures

Description of necessary first-aid measures

Skin Contact: Wash exposed skin thoroughly with soap and water. If irritation persists, call a physician.

Eye Contact: Flush with running water for at least 15 minutes. Call a physician.

Ingestion: Drink large quantities of water to dilute. DO NOT induce vomiting. Obtain medical attention immediately.

Inhalation: If inhaled, remove to fresh air.

5 Fire-fighting measures

Specific hazards arising from the chemical

Non-flammable.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Latex/Nitrile gloves, Splash goggles, Neoprene or PVC apron

Methods and materials for containment and cleaning up

Containment:
Wear appropriate PPE during clean up. Isolate area of spill by diking. Stop the source of the leak. Transfer contents to non-leaking container or storage vessel; Add dry absorbent. Clean up and place in an approved container and seal. Wash all contaminated clothing before reuse.

Disposal:
Dispose of contaminated product, empty containers and material used in clean up in a manner approved for this material. Consult federal, provincial and local regulatory agencies to determine disposal procedures.

7 Handling and storage

Precautions for safe handling
Read and follow the label, this SDS, and the instructions before using. Avoid contact with skin and eyes. Wear suitable protective clothing. Do not take internally. Wash thoroughly after handling.

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

Keep container tightly closed, and out of reach of children.

**8 Exposure controls/personal protection**

**Control parameters**

Acetic Acid: ACGIH TLV: 10ppm

**Appropriate engineering controls**

Local mechanical exhaust ventilation with 10-15 air changes per hour

**Individual protection measures**

Latex/Nitrile gloves, Splash goggles, Neoprene or PVC apron.

Emergency eyewash station nearby.

**9 Physical and chemical properties**

**Physical and chemical properties**

**Physical State:** Liquid  
**Odour:** Slightly vinegar-like odour  
**Colour:** Clear  
**Vapour Pressure:** 17.0 MML-LG  
**Vapour Density:** 0.6 (Air = 1)  
**Boiling Point:** >= 100C  
**Freezing Point:** <= 0C  
**pH:** 4.20  
**Specific Gravity:** 1.33  
**Solubility in Water:** COMPLETE @ 20C  
**Percent Volatile (by Volume):** 88%  
**Flammable:** No

**10 Stability and reactivity**

**Chemical stability**

Stable under ambient conditions.

**Conditions to avoid**

Boiling temperatures (100C)

**Incompatible materials**

N/A

**Hazardous decomposition products**

When heated to decomposition, can emit toxic fumes of SOx and ammonia.

**11 Toxicological information**


Information on the likely routes of exposure
Dermal contact, eye contact, ingestion

Delayed and immediate effects and also chronic effects from short and long term exposure
Harmful if swallowed. Do not take internally. Low hazard for ordinary industrial handling. May cause eye/skin irritation on contact.
Repeated contact may result in skin irritation.

12 Ecological information

Toxicity
Not available.

13 Disposal considerations

Disposal methods
Consult federal, provincial and local regulatory agencies to determine disposal procedures.

14 Transport information

UN Number
Not Regulated.

15 Regulatory information

Safety, health and environmental regulations specific for the product in question
HMIS Scale: HEALTH 1  FLAMMABILITY 0  REACTIVITY 0  PPE C

16 Other information