



Material Safety Data Sheet

MC DEVELOPER (3 x 5L) (Working solution)

Infosafe no. 1AG4D **Issue Date** November 2002 **Status** ISSUED by AGFA

Not classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company

Name Agfa-Gevaert Ltd (ABN 12 000 404 722)
Address 372-394 Whitehorse Road Nunawading, Vic 3131
Australia

Emergency

Tel. 1800 638 556 (24h)
Tel/Fax Tel: (03) 9264 7711 Fax: (03) 9264 7891

Other**Information**

New Zealand:
Agfa-Gevaert NZ Ltd
3 Argus Place
Glenfield, Auckland
Tel: 09 443 5500
Emergency Tel: 0800 154 666 (24h)
International Emergency Tel: 0061 410 606 944

IDENTIFICATION

Product Name MC DEVELOPER (3 x 5L) (Working solution)

Proper**Shipping**

Name None Allocated

Other Names **Name**

MC DEVELOPER 3 x 5L

Product Code

B3MWW

UN Number None Allocated

DG Class None Allocated

Packing

Group None Allocated

Hazchem

Code None Allocated

Poisons

Schedule Not Scheduled

Product Use Photographic black and white paper developer. Working solution.

Physical Data

Appearance Colourless to brownish liquid.

Melting Point < 0°C

Boiling Point	> 100°C
Vapour Pressure	2.300 Pa at 20°C
Specific Gravity	1.070
Flash Point	Not applicable.
Flamm. Limit LEL	Not applicable.
Flamm. Limit UEL	Not applicable.
Solubility in Water	Miscible at all ratios.

Other Properties

Autoignition Temp.	Not applicable.
pH Value	10.70
Odour	Odourless.
Form	Liquid
Materials to Avoid	Oxidizing agents.

Ingredients

Ingredients	Name	CAS	Proportion
	Potassium sulfite	10117-38-1	1-5 %
	Diethylene glycol	111-46-6	1-5 %
	Potassium carbonate	584-08-7	1-5 %
	Hydroquinone	123-31-9	0.5-1 %
	Sodium tetraborate	1330-43-4	0.5-1 %
	Water	7732-18-5	(To 100%)

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	May cause some irritation to the mouth, throat and stomach.
Acute - Eye	May cause mild irritation or discomfort to the eyes.
Acute - Skin	May cause irritation or sensitivity to the skin.
Acute - Inhaled	Irritation to respiratory system possible.
Chronic	Contact with the skin may cause some sensitivity or irritation to the skin.

First Aid

Swallowed	If swallowed, rinse the mouth and throat with water and seek medical attention.
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Eye	If in eyes, hold eyes open and flood with water for at least 15 minutes. If symptoms persist see a doctor.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water. If symptoms persist, see a doctor.
Inhaled	If affected by inhalation of fumes or vapours, move patient to fresh air. If symptoms persist see a doctor.
First Aid Facilities	Washroom and eyewash facilities should be available.

Advice to Doctor

Advice to Doctor	Treat according to symptoms.
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Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Hydroquinone: Time Weighted Average (TWA) - 2mg/m ³
Eng. Controls	Use only in a well-ventilated area. Ventilation is recommended in the workplace at a rate of at least 10 room air changes per hour. Where ingredients are listed with exposure limits, use sufficient ventilation to maintain airborne concentration levels at or below the recommended limits.

Personal Protection

Eye Protection	Avoid contact with the eyes. Where splashing is possible, wear splash proof safety goggles.
Glove Type	Avoid contact with the skin. Wear gloves of impervious material such as neoprene, PVC or natural rubber.

Flammability

Fire Hazards	Not combustible. Aqueous solution.
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SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions	Keep container tightly sealed. Protect from direct sunlight. Store away from oxidizing agents.
Proper Shipping Name	None Allocated

Spills and Disposal

Spills & Disposal	<p>Wear personal protective equipment as described under 'Precautions for Use'.</p> <p>Large Spills - Apply inert absorbent material such as sand or vermiculite to contain and soak up the spill. Avoid breathing vapours. Collect waste into a suitable container for disposal. Seal and label the container. Wash away residue with water or wipe up with a cloth.</p> <p>Small Spills - Wash away with water or wipe up with a cloth.</p> <p>Clean contaminated surfaces. Isolate and contain ruptured containers to prevent further spillage. Do not allow waste material to enter drains or waterways. Waste spillage should be disposed of in accordance with local regulations.</p>
Disposal	<p>Used or unwanted product may be disposed of by discharge to the sewerage system with the approval of the local water authority or through collection by a licensed waste disposal company for treatment and disposal in accordance with local regulations.</p>

Fire/Explosion Hazard

Hazardous Decomposition or Byproducts	<p>When heated to high temperatures, the product does not produce any known hazardous decomposition products.</p>
Extinguishing Media	<p>Use extinguishing measures appropriate to local circumstances and surrounding environment.</p>
Hazchem Code	<p>None Allocated</p>

OTHER INFORMATION

Toxicology	<p>Diethylene glycol - Acute oral LD50 (rat) 12565mg/kg</p> <p>Hydroquinone - Acute oral LD50 (rat) 320 mg/Kg</p> <p>Potassium carbonate - Acute oral LD50 (rat) 1870mg/kg</p>
Information on Ecological Effects	<p>Diethylene glycol:</p> <p>Aquatic toxicity - 24h (daphnia magna, water flea) > 10,000mg/L</p> <p>Hydroquinone:</p> <p>Aquatic toxicity - 96h (pimephales promelas, fathead minnow) 0.14mg/L</p>
Other Information	<p>Hydroquinone - Although responses have not been consistent across routes of exposures, species or sex, some animal studies suggest that hydroquinone is weakly tumorigenic for rodents following administration of high oral doses. In contrast, long term epidemiological studies of employees engaged in the manufacturing and use of hydroquinone have shown no evidence of increased cancer risk from exposure to hydroquinone.</p>
Risk Statement Hazard Category	<p>None allocated.</p> <p>None allocated.</p>

CONTACT POINT

Contact	<p>Hazardous Goods Controller</p> <p>Tel: (03) 9264 7711</p> <p>The information contained herein is based on our current knowledge and experience and is intended to describe the product in terms of its safety requirements. The information does not signify any warranty, expressed or implied with regard to the properties of the product.</p>
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End of MSDS
