



Material Safety Data Sheet

RODINAL DEVELOPER (Working solution)

Infosafe no. 1AGD1 **Issue Date** August 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 RODINAL DEVELOPER (Working solution)

Proper**Shipping**

Name None Allocated

Other Names Name**Product Code**

RODINAL DEVELOPER 10 x 3-12L	BVL2E
RODINAL DEVELOPER 6 x 13-50L	BVL3G

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 film developer. Working solution.

Physical Data

Appearance Colourless liquid.

Melting Point	< 0°C
Boiling Point	> 100°C
Vapour Pressure	2.300 mbar at 20°C
Specific Gravity	Not available.
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	11.55
Odour	Odourless
Form	Liquid

Ingredients

Ingredients	Name	CAS	Proportion
	Potassium sulfite	10117-38-1	1-5 %
	4-Aminophenol	123-30-8	0.1-0.5 %
	Water	7732-18-5	(To 100%)

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed	May cause irritation to the mouth, throat and stomach.
Acute - Eye	May cause irritation or discomfort to the eyes.
Acute - Skin	May cause some irritation to the skin.
Acute - Inhaled	No adverse effects expected from inhalation.
Chronic	Not expected to cause chronic health effects.

First Aid

Swallowed	If swallowed, rinse the mouth and throat with water. If symptoms persist see a doctor.
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 Unlikely to cause adverse effects from inhalation.

First Aid Facilities Washroom and eyewash facilities should be available.

Advice to Doctor

Advice to Doctor No special requirements. Treat according to symptoms.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits None allocated.

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.

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, nitrile, PVC or natural rubber (latex).

Flammability

Fire Hazards Not combustible. Aqueous solution.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Keep container tightly closed. Protect from direct sunlight.

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal Wear personal protective equipment as described under 'Precautions for Use'. 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.

Small Spills - Wash away with water or wipe up with a cloth.

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.

Disposal Used or unwanted product should be collected by a licensed waste disposal company for treatment and/or disposal in accordance with local regulations. Do not discharge to sewerage system without approval.

Fire/Explosion Hazard

Hazardous Decomposition or Byproducts When heated to high temperatures, the product does not produce any known hazardous decomposition products.

Extinguishing Media Use extinguishing measures appropriate to local circumstances and surrounding environment.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology 4-Aminophenol - Acute oral LD50 (rat) 375mg/kg

Information on

Ecological 4-Aminopheol:

Effects Aquatic toxicity - 48h (carassius auratus, goldfish) 2mg/L

Risk Statement None allocated.

Hazard

Category None allocated.

CONTACT POINT

Contact Hazardous Goods Controller

Tel: (03) 9264 7711

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.

End of MSDS
