



# Material Safety Data Sheet

## RODINAL SPECIAL (Concentrate)

**Infosafe no.** 1AG6J    **Issue Date** July 2001    **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 SPECIAL (Concentrate)

**Proper****Shipping**

**Name** None Allocated

**Other Names Name****Product Code**

RODINAL SPECIAL DEV 10 x 125ml

BVL4J

**UN Number** None Allocated

**DG Class** None Allocated

**Packing**

**Group** None Allocated

**Hazchem**

**Code** None Allocated

**Poisons**

**Schedule** Not Scheduled

**Product Use** Photographic developer. Concentrate.

### Physical Data

**Appearance** Colourless to yellowish liquid.

**Melting Point** Below 0°C.

<b>Boiling Point</b>	Above 100°C.
<b>Vapour Pressure</b>	Approx. 23 mbar at 20°C.
<b>Specific Gravity</b>	1.265.
<b>Flash Point</b>	Not applicable.
<b>Solubility in Water</b>	Miscible at all ratios.

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## Other Properties

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<b>pH Value</b>	Approx. 10.3.
<b>Odour</b>	Odourless.
<b>Form</b>	Liquid

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## Ingredients

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Ingredients	Name	CAS	Proportion
	Triethanolamine	102-71-6	30-60 %
	Potassium sulfite	10117-38-1	10-30 %
	Hydroquinone	123-31-9	1-5 %
	Potassium bromide	7758-02-3	1-5 %
	EDTA-alkali salt		1-5 %
	Phenidone	92-43-3	0-1 %
	Water	7732-18-5	(To 100%)

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## HEALTH HAZARD INFORMATION

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### Health Effects

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<b>Acute - Swallowed</b>	Harmful if swallowed.
<b>Acute - Eye</b>	Irritating to eyes.
<b>Acute - Skin</b>	Irritation and possible eczema.
<b>Acute - Inhaled</b>	Not likely to cause irritation.
<b>Chronic</b>	Repeated or prolonged exposure may result in allergic skin reactions.

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### First Aid

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<b>Swallowed</b>	Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance.
<b>Eye</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
<b>Skin</b>	Remove contaminated clothing and wash before re-use. Wash affected areas with copious quantities of water immediately.
<b>Inhaled</b>	Not likely to cause irritation.
<b>First Aid Facilities</b>	Eye wash facilities should be available.

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## Advice to Doctor

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**Advice to Doctor** Treat according to symptoms.

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## Other Health Hazard Information

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## PRECAUTIONS FOR USE

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Exposure Limits	Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	FootNote
	Hydroquinone			2		

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**Eng. Controls** Exhaust ventilation is recommended with a room air exchange rate sufficient to maintain airborne concentrations at or below the exposure limit.

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## Personal Protection

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### Respirator

**Type (AS 1716)** Not normally necessary.

**Eye Protection** Wear splash proof goggles in accordance with AS1337.

**Glove Type** Wear gloves of impervious material such as nitrile, neoprene, PVC or rubber in accordance with AS2161.

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## Flammability

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**Fire Hazards** Not flammable.

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## SAFE HANDLING INFORMATION

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## Storage and Transport

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### Storage

**Precautions** Keep container tightly sealed. Avoid contact with acids.

**Transport Proper** Classified as non-dangerous for transport.

**Shipping Name** None Allocated

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## Spills and Disposal

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**Spills & Leaks** Apply inert absorbant material such as sand or vermiculite and collect into sealable container for disposal.

**Disposal** Waste products must be disposed of to landfill or incinerator in accordance with local regulations.

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## Fire/Explosion Hazard

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### Fire/Explos.

**Hazard** No fire or explosion hazards under normal conditions for use or storage.

**Hazardous** When heated to decomposition Sulfur Dioxide fumes will be released.

**Decomposition  
or Byproducts**

**Hazchem Code** None Allocated

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**OTHER INFORMATION**

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**Toxicology** Hydroquinone - acute oral LD50 (rat) 320 mg/Kg  
- acute dermal LD50 (rat) > 900 mg/Kg  
- acute intraperitoneal LD50 (rat) approx. 170 mg/Kg\  
tris-(2-hydroxyethyl)-amine - acute oral LD50 (rat) 8000 mg/Kg

**Other  
Information** Avoid contact with acids.

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**CONTACT POINT**

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**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.

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**End of MSDS**

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