



## MSC 200/300 D-LAB 3P CD-RF (Concentrate)

**Infosafe No.** 5AG3X      **Issue Date** November 2004      **Status** ISSUED by AGFAPHOT

**Classified as hazardous according to criteria of NOHSC**

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### COMPANY DETAILS

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**Company Name** AgfaPhoto Australia Pty Ltd (ABN 27 110 874 738)  
**Address** 301 Burwood Highway  
Burwood Vic 3125 Australia  
**Emergency Tel.** 1800 638 556 (24h)  
**Tel/Fax** Tel: (03) 8808 4000 Fax: (03) 8808 4518  
**Other Information** New Zealand:  
AgfaPhoto New Zealand Ltd  
3 Argus Place  
Glenfield, Auckland  
Tel: 09 443 5500  
Emergency Tel: 0800 154 666 (24h)  
International Emergency Tel: 0061 410 606 944

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### IDENTIFICATION

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**Product Code**  
**Product Name** MSC 200/300 D-LAB 3P CD-RF (Concentrate)  
**Proper Shipping Name** CAUSTIC ALKALI LIQUID, N.O.S. - (CONTAINS POTASSIUM CARBONATE)

<b>Other Names</b>	<b>Name</b>	<b>Product Code</b>
	MSC 200/300 D-LAB 3P CD-RF 3 X 10L	5JZVE

**UN Number** 1719  
**DG Class** 8  
**Packing Group** III  
**Hazchem Code** 2R  
**Poisons Schedule** S5  
S5 Other: S6  
**Product Use** Photographic colour developer. Concentrate.

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## Physical Data

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**Appearance** Colourless to yellowish liquid.  
**Melting Point** < 0°C  
**Boiling Point** > 100°C  
**Vapour Pressure** Not available.  
**Specific Gravity** 1.196  
**Flash Point** Not applicable.  
**Flamm. Limit LEL** Not applicable.  
**Flamm. Limit UEL** Not applicable.  
**Solubility in Water** Miscible at all ratios.

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## Other Properties

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**Autoignition Temp.** Not applicable.  
**pH Value** 14.00  
**Odour** Slight smell of amine.  
**Form** Liquid  
**Materials to Avoid** Strong acids, strong oxidizing agents.

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## Ingredients

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Ingredients	Name	CAS	Proportion
	Potassium carbonate	584-08-7	10-20 %
	Polyglycol	25322-68-3	10-20 %
	Diethylene glycol	111-46-6	5-10 %
	Polycarboxylic acids	26099-09-2	1-5 %
	Diethylhydroxylamine	3710-84-7	1-5 %
	p-Phenylenediamine	25646-71-3	1-5 %

derivative (ACD 3)		
Potassium sulfate	7778-80-5	1-5 %
Potassium hydroxide	1310-58-3	0.5-2 %
Stilbene derivative		0.5-1 %
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>	May cause strong irritation or burns to the mouth, throat and stomach.
<b>Acute - Eye</b>	May cause strong irritation or discomfort to the eyes.
<b>Acute - Skin</b>	Strong irritation or burns to the skin.
<b>Acute - Inhaled</b>	Irritation to respiratory system possible.
<b>Chronic</b>	May cause sensitisation by skin contact.

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### First Aid

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

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### Advice to Doctor

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<b>Advice to Doctor</b>	Treat according to symptoms based on the judgement of the doctor and reactions of the patient.
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### Other Health Hazard Information

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## PRECAUTIONS FOR USE

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<b>Exposure Limits</b>	Potassium hydroxide: Time Weighted Average (TWA) - 2mg/m <sup>3</sup> Short Term Exposure Limit (STEL) - Peak limitation 2mg/m <sup>3</sup>
<b>Eng. Controls</b>	This product is not used in the concentrate form but is mixed with water to make a working solution prior to use. All activities involved in preparing the product for use should be carried out in a well-ventilated area. For the recommended engineering controls for the product in use, please see the

## Personal Protection

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<b>Eye Protection</b>	Avoid contact with the eyes. Where splashing is possible, wear splash proof safety goggles.
<b>Glove Type</b>	Avoid contact with the skin. Wear gloves of impervious material such as nitrile.

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## Flammability

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<b>Fire Hazards</b>	Not combustible. Aqueous solution.
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## SAFE HANDLING INFORMATION

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### Storage and Transport

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<b>Storage Precautions</b>	Keep container tightly closed. Protect from direct sunlight. Store away from strong acids and strong oxidizing agents.
<b>Proper Shipping Name</b>	CAUSTIC ALKALI LIQUID, N.O.S. - (CONTAINS POTASSIUM CARBONATE)
<b>EPG Number</b>	8A1
<b>IERG Number</b>	37
<b>Packaging Method</b>	3.8.8RT8

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### Spills and Disposal

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<b>Spills &amp; Disposal</b>	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. Waste spillage should be disposed of in accordance with local regulations.
<b>Disposal</b>	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.

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### Fire/Explosion Hazard

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<b>Hazardous Decomposition or Byproducts</b>	When heated to high temperatures, the product does not produce any known hazardous decomposition products.
<b>Extinguishing Media</b>	Use extinguishing measures appropriate to local circumstances and surrounding environment.
<b>Hazchem Code</b>	2R

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## OTHER INFORMATION

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<b>Toxicology</b>	Diethylene glycol - Acute oral LD50 (rat) 12,565mg/kg Diethylehydroxylamine - Acute oral LD50 (rat) 2190mg/kg p-Phenylenediamine derivative - Acute oral LD50 (rat) 931mg/kg Potassium carbonate - Acute oral LD50 (rat) >2000mg/kg Potassium hydroxide - Acute oral LD50 (rat) 273mg/kg
<b>Information on Ecological Effects</b>	Diethylene glycol: Aquatic toxicity - 24h (daphnia magna, water flea) >10,000mg/L p-Phenylenediamine derivative: Aquatic toxicity - 96h (pimephales promelas, fathead minnow) 6.40mg/L
<b>Risk Statement</b>	p-Phenylenediamine derivative: R43 May cause sensitisiation by skin contact. Potassium hydroxide: R36 Irritating to eyes. R38 Irritating to skin.
<b>Hazard Category</b>	Irritant

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## CONTACT POINT

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<b>Contact</b>	Hazardous Goods Controller Tel: (03) 8808 4000 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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