

Material Safety Data Sheet

According to 91/155 EEC

Printing date 10.04.2006

Reviewed on 10.04.2006

Hazardous according to criteria of Worksafe Australia

1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** MSC 101 Paper CD-R 1-Part, ready to use

· **Article number:** 5K9SK

· **Application of the substance / the preparation** Photographic colour developer solution

· **Manufacturer/Supplier:**

Photo Direct P/L
 Suite 2, 358 Whitehorse Rd
 Nunawading Vic 3131
 Australia
 Phone: + 61 3 9894 1644
 Fax: + 61 3 9894 1677

· **Further information obtainable from:**

Productmanagement, Tel.: + 49 7042 913-41, Fax: + 49 7042 913-18

· **Information in case of emergency:**

EUROPE :

Phone : + 49 214 30 99300 (Security service Bayer Industries Services Leverkusen)

The Australian Centre for Occupational Health & Safety (ACOHS Pty Ltd)

Ph: + 61 3 9875 6919

Fax: + 61 3 9875 6956

2 Composition/information on ingredients

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 584-08-7 EINECS: 209-529-3	potassium carbonate	2.24%
CAS: 111-46-6 EINECS: 203-872-2	2,2'-oxybisethanol	1.4%
	p-Phenylendiamin-Derivat (ACD 3)	0.94%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

· **Hazard description:** Not applicable.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

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4 First aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** No special measures required.
 - **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special requirements.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
 - **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
 - **Respiratory protection:** Not required.
 - **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Goggles recommended during refilling

9 Physical and chemical properties

· **General Information**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100°C (212°F)

· **Flash point:** 100°C (212°F)

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Vapour pressure at 20°C (68°F):** 23 hPa (17 mm Hg)

· **Density at 20°C (68°F):** 1.029 g/cm³

· **Solubility in / Miscibility with water:** Fully miscible.

· **pH-value at 20°C (68°F):** 11.9

· **Viscosity:**

Kinematic at 20°C (68°F): 11 s (DIN 53211/4)

· **Solvent content:**

Organic solvents:	1.4 %
Water:	92.7 %

· **Solids content:** 3.8 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Dangerous reactions** No dangerous reactions known.

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· **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
Harmful to aquatic organisms
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values.
A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulatory information

- **Australian Inventory of Chemical Substances**
- | | |
|-----------|---|
| 7732-18-5 | water, distilled, conductivity or of similar purity |
| 584-08-7 | potassium carbonate |

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25322-68-3	Polyethylene glycol
111-46-6	2,2'-oxybisethanol
	p-Phenylendiamin-Derivat (ACD 3)
3710-84-7	N,N-diethylhydroxylamine
60-00-4	edetic acid
1310-58-3	potassium hydroxide

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Risk phrases:**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Special labelling of certain preparations:**

Contains p-Phenylendiamin-Derivat (ACD 3). May produce an allergic reaction.

· **National regulations:**

Class	Share in %
Wasser	92.7
NK	1.4

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Productmanagement department

· **Contact:** Mr. Vollhofer, a&o imaging solutions, Tel.: + 49 7042 913-43