

## Material Safety Data Sheet

### According to 91/155 EEC

Printing date 10.05.2006

Reviewed on 17.03.2006

Hazardous according to criteria of Worksafe Australia

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

· **Product details**

· **Trade name:** Easy Film CD-R Part C

· **Article number:** 5G9Y6

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

· **Manufacturer/Supplier:**

a&o imaging solutions GmbH  
 Chemische Fabrik Vaihingen/Enz (former AGFA / AgfaPhoto)  
 Steinbeisstrasse 49  
 D-71665 Vaihingen/Enz  
 Germany

distributed by :

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:**

Australia / New Zealand :

The Australian Centre for Occupational Health & Safety (ACOHS Pty Ltd)  
 6 Burleigh Court, Nunawading, VIC 3131  
 Phone : 1800 638 556 (24 hours, 7 days a week)

### 2 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

	p-Phenylenediamine derivative (ACD 4)	9.8%
CAS: 7681-57-4 EINECS: 231-673-0	sodium metabisulphite	1.0%

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

### 3 Hazards identification

· **Hazard description:**



Harmful  
 Dangerous for the environment

(Contd. on page 2)

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**Trade name:** Easy Film CD-R Part C

(Contd. of page 1)

· **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 if swallowed.*

*May cause sensitisation by skin contact.*

*Toxic 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.*

### 4 First aid measures

· **General information:**

*Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.*

· **After inhalation:**

*Supply fresh air and to be sure call for a doctor.*

*In case of unconsciousness place patient stably in side position for transportation.*

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** Call for a doctor immediately.

### 5 Fire-fighting measures

· **Suitable extinguishing agents:**

*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*

· **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).*

*Dispose contaminated material as waste according to item 13.*

### 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.

(Contd. on page 3)

## Material Safety Data Sheet

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Reviewed on 17.03.2006

**Trade name: Easy Film CD-R Part C**

(Contd. of page 2)

 · **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:**
**7681-57-4 sodium metabisulphite**

 NES (Australia) 5 mg/m<sup>3</sup>

 · **Additional information:** The lists valid during the making were used as basis.

 · **Personal protective equipment:**

 · **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

 · **Respiratory protection:** Not required.

 · **Protection of hands:**


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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**

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

 · **Change in condition**
**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** 100°C (212°F)

(Contd. on page 4)

## Material Safety Data Sheet

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**Trade name: Easy Film CD-R Part C**

(Contd. of page 3)

· <b>Flash point:</b>	<i>Not applicable.</i>
· <b>Self-igniting:</b>	<i>Product is not selfigniting.</i>
· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Vapour pressure at 20°C (68°F):</b>	<i>23 hPa (17 mm Hg)</i>
· <b>Density at 20°C (68°F):</b>	<i>1.042 g/cm<sup>3</sup></i>
· <b>Solubility in / Miscibility with water:</b>	<i>Fully miscible.</i>
· <b>pH-value at 20°C (68°F):</b>	<i>2.1</i>
· <b>Viscosity:</b> <b>Kinematic at 20°C (68°F):</b>	<i>12 s (DIN 53211/4)</i>
· <b>Solvent content:</b> <b>Organic solvents:</b> <b>Water:</b>	<i>0.0 % 89.2 %</i>
· <b>Solids content:</b>	<i>10.8 %</i>

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
*No decomposition if used according to specifications.*
- **Dangerous reactions** *No dangerous reactions known.*
- **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:** *Sensitization possible through skin contact.*
- **Additional toxicological information:**  
*The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:*  
*Harmful*  
*Irritant*

### 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** *Toxic for 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.*

(Contd. on page 5)

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(Contd. of page 4)

*Danger to drinking water if even extremely small quantities leak into the ground.  
Also poisonous for fish and plankton in water bodies.  
Toxic for aquatic organisms*

**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:**



- **IMDG Class:** 6.1
- **UN Number:**
- **Label** 6.1
- **Packaging group:** III
- **EMS Number:** F-A,S-A
- **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 6.1
- **UN/ID Number:**
- **Label** 6.1
- **Packaging group:** III

**15 Regulatory information**

· **Australian Inventory of Chemical Substances**

*All ingredients are listed.*

· **Labelling according to EU guidelines:**

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

(Contd. on page 6)

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(Contd. of page 5)

· **Code letter and hazard designation of product:**

Harmful  
Dangerous for the environment

· **Hazard-determining components of labelling:**

p-Phenylenediamine derivative (ACD 4)

· **Risk phrases:**

Harmful if swallowed.  
May cause sensitisation by skin contact.  
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

· **Safety phrases:**

Avoid contact with skin.  
Wear suitable gloves.  
This material and its container must be disposed of as hazardous waste.  
Avoid release to the environment. Refer to special instructions/safety data sheets.

· **National regulations:**

Class	Share in %
Wasser	89.2
I	9.8

**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