

Material Safety Data Sheet
According to 91/155 EEC

Printing date 10.05.2006

Reviewed on 07.04.2006

Hazardous according to criteria of Worksafe Australia

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

· **Product details**

· **Trade name:** 70 FI "LF"

· **Article number:** BL13U, BO9ML, B1Y14

· **Application of the substance / the preparation** Photographic final 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:**

CAS: 50-00-0	formaldehyde	4.9%
EINECS: 200-001-8		
CAS: 69011-36-5	Marlipal O 13/120	2.7%

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

3 Hazards identification

· **Hazard description:**



Harmful

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· 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.

Limited evidence of a carcinogenic effect.

May cause sensitisation by skin contact.

· 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

· 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:** If symptoms persist consult doctor.

5 Fire-fighting measures

· Suitable extinguishing agents:

CO₂, 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:**

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.**· Further information about storage conditions:** None.

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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:**

50-00-0 formaldehyde

NES (Australia)	Short-term value: 2.5 mg/m ³ , 2 ppm
	Long-term value: 1.2 mg/m ³ , 1 ppm
	Sen

· **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**

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:** Not applicable.

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· 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):	1.014 g/cm ³
· Solubility in / Miscibility with water:	Fully miscible.
· pH-value at 20°C (68°F):	4.5
· Viscosity:	
Kinematic at 20°C (68°F):	11 s (DIN 53211/4)
· Solvent content:	
Organic solvents:	4.9 %
Water:	92.4 %

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:**

· **LD/LC50 values relevant for classification:**

50-00-0 formaldehyde

Oral	LD50	>200 mg/kg (rat)
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· **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:

Irritant

12 Ecological information

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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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**

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.
- **Code letter and hazard designation of product:**
Harmful
- **Hazard-determining components of labelling:**
formaldehyde
- **Risk phrases:**
*Limited evidence of a carcinogenic effect.
May cause sensitisation by skin contact.*
- **Safety phrases:**
Wear suitable protective clothing and gloves.
- **National regulations:**

Class	Share in %
Wasser	92.4
I	4.9

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*