

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



## PL10 PHOTOPOLYMER DEVELOPER

SUBID : 000000011962

Version 1

Print Date 03.03.2010

Revision Date 17.07.2008

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance/preparation

Product name : PL10 PHOTOPOLYMER DEVELOPER

Use of the Substance/Preparation : Offset plate developer solution

#### Company/Undertaking Identification

Agfa-Gevaert Ltd.  
Vantage West  
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Brentford, Middlesex TW8 9AX  
United Kingdom

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### 2. HAZARDS IDENTIFICATION

This preparation does not meet any of the criteria for classification as dangerous as defined by EC Directives and transposed into national legislation.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The hazard and labelling information in this section is that of the individual ingredients. The corresponding information relative to this product as supplied is given in section 15. Full text of each relevant R-phrase is listed in section 16.

Aqueous offset plate developer solution, mainly consisting of:

#### Hazardous components

- |                      |                     |           |   |     |
|----------------------|---------------------|-----------|---|-----|
| • Potassium silicate | Concentration [%] : | 1.0       | - | 5.0 |
| CAS-No.              | :                   | 1312-76-1 |   |     |
| EINECS-No.           | :                   | 215-199-1 |   |     |
| Symbol(s)            | :                   | C         |   |     |
| R-phrase(s)          | :                   | R34       |   |     |

### 4. FIRST AID MEASURES

- Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin contact : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
- Ingestion : Rinse mouth with plenty of water. Seek medical advice.
- Inhalation : Not relevant.

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### 5. FIRE-FIGHTING MEASURES

Further information : Product is not combustible.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : See section : Exposure controls / personel protection.  
Environmental precautions : For waste disposal see section 13.  
Methods for cleaning up : Dike the spill if necessary. Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. Prevent release into the drain, soil or surface water.  
Additional advice : Wash away residues with plenty of water.

### 7. HANDLING AND STORAGE

#### Handling

Advice on protection against fire and explosion : No special protective measures against fire and explosion required.

#### Storage

Requirements for storage areas and containers : Keep container tightly closed. Protect from direct sunlight.  
Advice on common storage : Store away from strong acids.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Exposure controls

Engineering measures : Ventilation should be sufficient so that any applicable occupational exposure limits are not exceeded.  
Hygiene measures : Keep away from foodstuffs, drinks and tobacco. Observe normal precautions when handling chemicals.  
Hand protection : Use chemical resistant gloves. In case of prolonged immersion or frequently repeated contact use gloves made of the materials: butyl rubber (thickness  $\geq$  0.36 mm, breakthrough time  $>$  480 min), nitrile rubber (thickness  $\geq$  0.38 mm, breakthrough time  $>$  480 min) or neoprene (thickness  $\geq$  0.65 mm, breakthrough time  $>$  240 min). For intermittent splash protection corresponding gloves with breakthrough times  $>$  60 min can be used. Avoid gloves made of: natural latex.  
Eye protection : Safety glasses.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### General Information

Form : Liquid.  
Colour : Colourless.  
Odour : Odourless.

#### Important Health Safety and Environmental Information

Vapour pressure (20 °C) : 23.00 hPa

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Relative density (20 °C)	:	1.031
Solubility/qualitative	:	Miscible with water at all ratios.
pH (25 °C)	:	12.8
Melting point/range	:	< 0 °C
Boiling point/range	:	> 100 °C

### 10. STABILITY AND REACTIVITY

Stability	:	The product is stable under normal conditions of storage and use.
Conditions and materials to avoid	:	Avoid contact with strong acids. Remove all chemicals and rinse the processing tanks thoroughly with water before using any cleansing products.
Hazardous decomposition products	:	None

### 11. TOXICOLOGICAL INFORMATION

Toxicity data specific for individual ingredients in their pure state:

#### Acute oral toxicity

- Potassium silicate : LD50 rat > 2,000 mg/kg

### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

Ecotoxicity data specific for individual ingredients in their pure state:

#### Toxicity to fish

- Potassium silicate : Species: Leuciscus idus (golden orfe)  
LC50: > 100 mg/l/ 96 h

#### Toxicity to daphnia

- Potassium silicate : Species: Daphnia magna (water flea)  
EC50: > 100 mg/l/ 48 h

#### Toxicity to bacteria

- Potassium silicate : Species: Pseudomonas putida (bacteria)  
EC50: > 100 mg/l/ 17 h

#### Further information on ecology

Biochemical oxygen demand within 5 days (BOD5)	:	3,020 mg/l
Chemical Oxygen Demand (COD)	:	125,000 mg/l

This preparation does not contain any ingredient that is classified as hazardous to the environment according to European Directives and corresponding national legislation.

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### 13. DISPOSAL CONSIDERATIONS

#### Waste disposal methods

Environmental regulations, discharge of chemicals and washwater, waste treatment and disposal conditions of chemicals and their packaging may vary from one country to another. The relevant local regulations should be consulted. When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. May be discharged to drain if local regulations permit.

For waste resulting from this product, it is recommended to use European Waste Code : 09 01 02 (water-based offset plate developer solutions).

### 14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 15. REGULATORY INFORMATION

This product is not to be labelled as a dangerous substance or preparation as defined by EC Directives and transposed into national legislation.

### 16. OTHER INFORMATION

#### Further information

Text of R-phrases referred to under headings 2 and 3:

R34 Causes burns.

This Safety Data Sheet is compiled in accordance with European Directives and corresponding national legislation.

The information disclosed in this Safety Data Sheet is believed to be correct to the best of our current knowledge and experience. It only relates to the specific product designated herein and it may not be valid when said product is used in combination with any other material or in any process, unless specified in the text. This document aims to provide the necessary health and safety information of the product and is not to be considered a warranty or quality specification. It is the responsibility of the user to comply with local legislation relating to safety, health, environment and waste management.