

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006



PL10RI

SUBID : 000000012726

Version 1

Print Date 12.03.2010

Revision Date 17.07.2008

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

Identification of the substance/preparation

Product name : PL10RI
Use of the Substance/Preparation : Offset plate developer solution

Company/Undertaking Identification

Agfa-Gevaert Ltd.
Vantage West
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United Kingdom
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Person responsible for the safety data sheet: Jos Vanholzaets
E-mail: electronic.sds@agfa.com

Emergency telephone number (Belgium) : +32 3 4443333 (24h/24h)

2. HAZARDS IDENTIFICATION

EC-classification:

Symbol(s) : Xi Irritant
R-phrases(s) : R36/38 Irritating to eyes and skin.

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-phrases 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-phrases(s) : R34
- Potassium hydroxide Concentration [%] : 1.0 - 2.0
CAS-No. : 1310-58-3
Index-No. : 019-002-00-8
EINECS-No. : 215-181-3
Symbol(s) : C
R-phrases(s) : R22, R35

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

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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
Relative density (20 °C) : 1.048
Solubility/qualitative : Miscible with water at all ratios.
pH (25 °C) : 13.4
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

Irritating to eyes and skin.

Toxicity data specific for individual ingredients in their pure state:

Acute oral toxicity

- Potassium silicate : LD50 rat > 2,000 mg/kg
- Potassium hydroxide : LD50 rat 273 mg/kg

Other information

Hazard labelling of this preparation or substance : see section 15.

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
- Potassium hydroxide : Species: Poecilia reticulata (guppy)
LC50: 165 mg/l/ 24 h

Toxicity to daphnia

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- 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

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

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

Labelling according to EC Directives

Symbol(s)	: Xi	Irritant
R-phrases(s)	: R36/38	Irritating to eyes and skin.
S-phrases(s)	: S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16. OTHER INFORMATION

Further information

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

R22	Harmful if swallowed.
R34	Causes burns.
R35	Causes severe burns.
R36/38	Irritating to eyes and skin.

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

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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.