

K8G2H

**SAFETY DATA SHEET**  
according to EC directive 93/112/EC  
**PRIMA ND500**



SUBID:000000010546

Version 4  
Revision Date 10.08.2004

Print Date 24/06/05

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

#### Product Information

Product name : PRIMA ND500  
Use of the : Offset plate developer solution  
Substance/Preparation

#### Company/Undertaking Identification

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### 2. 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

- |                         |                |                     |     |   |      |
|-------------------------|----------------|---------------------|-----|---|------|
| • 2-Phenoxyethanol      |                | Concentration [%] : | 5.0 | - | 10.0 |
| CAS-No.                 | : 122-99-6     |                     |     |   |      |
| Index-No.               | : 603-098-00-9 |                     |     |   |      |
| EINECS-No.              | : 204-589-7    |                     |     |   |      |
| Symbol(s)               | : Xn           |                     |     |   |      |
| R-phrase(s)             | : R22, R36     |                     |     |   |      |
| • Sodium octyl sulphate |                | Concentration [%] : | 1.0 | - | 5.0  |
| CAS-No.                 | : 142-31-4     |                     |     |   |      |
| EINECS-No.              | : 205-535-5    |                     |     |   |      |
| Symbol(s)               | : Xi           |                     |     |   |      |
| R-phrase(s)             | : R38, R41     |                     |     |   |      |

#### Other

- |                                  |  |                     |      |   |       |
|----------------------------------|--|---------------------|------|---|-------|
| • Water                          |  | Concentration [%] : | 80.0 | - | 100.0 |
| • Glycerine                      |  | Concentration [%] : | 1.0  | - | 5.0   |
| • Triethanolamine                |  | Concentration [%] : | 0.5  | - | 1.0   |
| • Styrene/acrylic acid-copolymer |  | Concentration [%] : |      |   |       |

### 3. HAZARDS IDENTIFICATION

#### EC-classification:

Symbol(s) : Xi Irritant  
R-phrase(s) : R36 Irritating to eyes.

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**4. FIRST AID MEASURES**

- Skin contact : Wash immediately with plenty of water and soap. If symptoms persist, seek medical advice.
- Eye contact : Rinse with plenty of water. If necessary, seek medical advice.
- Ingestion : Rinse mouth with plenty of water. Seek medical advice.
- Inhalation : Not relevant.

**5. FIRE-FIGHTING MEASURES**

- Further information : Product is not combustible.

**6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions : See section 8.
- 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.
- 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.

Hygiene measures : Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Form : Liquid  
Colour : Colourless to yellowish  
Odour : Odourless

### Safety data

pH (25 °C) : 10.1  
Melting point/range : < 0 °C  
Boiling point/range : > 100 °C  
Lower explosion limit : Not applicable  
Upper explosion limit : Not applicable  
Vapour pressure : 23.00 hPa at 20 °C  
Relative density (20 °C) : 1.039  
Solubility/qualitative : Miscible with water at all ratios.  
Relative vapour density : Not applicable

## 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

R-phrases(s) : R36 Irritating to eyes.

Toxicity data specific for individual ingredients in their pure state:

### Acute oral toxicity

- 2-Phenoxyethanol : LD50 rat 1,260 mg/kg
- Sodium octyl sulphate : LD50 rat > 2,000 mg/kg

### Acute dermal toxicity

- 2-Phenoxyethanol : LD50 rabbit 14,422 mg/kg

### Other information

Hazard labelling of this preparation: see section 15.

## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity effects**

Pending the development of criteria for evaluating impact of a chemical preparation, ecological information referring to the most important individual ingredients present in this preparation is given here merely as an indication. The effective environmental impact of this preparation should of course be assessed taking into account the actual concentration of each individual ingredient in this preparation.

**Toxicity to fish**

- 2-Phenoxyethanol : Species: Pimephales promelas (fathead minnow)  
Dose: 345.00 mg/l/ 96 h

**Toxicity to daphnia**

- 2-Phenoxyethanol : Species: Daphnia magna (water flea)  
Dose: 460.00 mg/l/ 48 h

**Further information on ecology**

Additional ecological information : 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**

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**

**Further Information**

Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION**

**Labelling according to EC Directives**

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

**16. OTHER INFORMATION**

Section(s) changed compared to the previous issue: 1, 2, 4, 6, 8, 9, 12, 15

**Further information**

Full text of R-phrases referred to under Sections 2 and 3:

R22	Harmful if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.

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.