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Printed : 2002-05-23 Page : 001/004

Product name.....: UNIFIN
 MSDS.....: 009031/01
 Previous MSDS.....: 009031/00

Validation date.....: 2002-05-22
 Date of previous issue.: 1999-08-12

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

Product name.....: UNIFIN

Company: Agfa-Gevaert Ltd
 27 Great West Road
 Brentford, MiddX. TW8 9AX
 Tel: 020 8231 4906
 Emergency Telephone No:0113 251 4000

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.

Aqueous offset plate finisher solution, mainly consisting of:

- sodium dodecyl diphenyl oxide disulphonate 1.0 - 5.0 % by weight
 CAS-number.....: 28519-02-0
 EINECS/ELINCS-number...: 249-063-8
 Danger symbols.....: Xi N
 EC R-sentences.....: R36 R51/53
- citric acid 1.0 - 5.0 % by weight
 CAS-number.....: 77-92-9
 EINECS/ELINCS-number...: 201-069-1
 Danger symbols.....: Xi
 EC R-sentences.....: R36
- 5-chloro-2-methyl-2H-isothiazolin-3-one 0.0 - 0.1 % by weight
 CAS-number.....: 26172-55-4
 EINECS/ELINCS-number...: 247-500-7
 Danger symbols.....: T C N
 EC R-sentences.....: R23/24/25 R34 R43 R50
- 2-methyl-2H-isothiazolin-3-one 0.0 - 0.1 % by weight
 CAS-number.....: 2682-20-4
 EINECS/ELINCS-number...: 220-239-6
 Danger symbols.....: T C N
 EC R-sentences.....: R23/24/25 R34 R43 R50
- Carboxymethylcellulose sodium salt 1.0 - 5.0 % by weight
- Water 80.0 - 100.0 % by weight

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3. Hazards identification

EC R-sentences.....: R43 May cause sensitisation by skin contact.

4. First aid measures

Inhalation: Not relevant.

Ingestion: Rinse mouth with plenty of water. Seek medical advice.

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.

5. Fire-fighting measures

Not relevant (product is not combustible).

6. Accidental release measures

Wash away residues with plenty of water.

7. Handling and storage

No special protective measures against fire and explosion required.

8. Exposure controls/personal protection

Observe normal precautions when handling chemicals.

Hand protection: Gloves resistant to chemicals (e.g. made of neoprene, rubber or vinyl).

Eye protection: Safety glasses.

9. Physical and chemical properties

Form: Liquid
Colour: Light yellow
Odour: Odourless

Miscible with water at all ratios.
Density (20 °C).....: 1.0730
Melting point.....: < 0 °C
Boiling point.....: > 100 °C
Vapour pressure.....: not available
pH value (25 °C).....: 3.55
Part. coeff. oct./water: not applicable
Auto ignition temp.....: not applicable
Flash point OC.....: not applicable
Flash point CC.....: not applicable
Explosion limit LEL.....: not applicable
Explosion limit UEL.....: not applicable

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10. Stability and reactivity**Stability:**

The product is stable under normal conditions of storage and use.

11. Toxicological information

EC R-sentences.....: R43 May cause sensitisation by skin contact.

Possibly irritating and sensitising in contact with skin.

Toxicologic data specific for individual ingredients in their pure state:

- citric acid

LD50 oral rat

LD50 dermal rabbit

6,730 mg/kg

5,500 mg/kg

12. Ecological information

BOD 5.....: 19,500 mg O2/l

COD.....: 145,000 mg O2/l

Total dissolved subst...: < 150 g/l

pH value (25 °C).....: 3.55

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.

- citric acid

Aquatic toxicity.....: 894.00 mg/l/ 0h Carassius auratus (goldfish)

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.

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 99 (wastes not otherwise specified).

14. Transport information

- Transport information: ADR, ADNR, RID

Not restricted.

- Transport information: IMO/ IMDG

Not restricted.

- Transport information: ICAO /IATA cargo aircraft only

Not restricted.



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- Transport information: ICAO /IATA passenger and cargo aircraft
Not restricted.

15. Regulatory information

Labelling.....: Contains 5-chloro-2-methyl-2H-isothiazol-3-one and
2-methyl-2H-isothiazol-3-one
Danger symbols.....: Xi Irritant
EC R-sentences.....: R43 May cause sensitisation by skin contact.
EC S-sentences.....: S24 Avoid contact with skin.
S37 Wear suitable gloves.

16. Other information

Section(s) changed compared to the previous issue: 2, 3, 15

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.