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Printed : 2004-01-13 Page : 001/005

Product name.....: FINISHER CONCENTRATE
 SDS.....: 009768/02 Validation date.....: 2004-01-12
 Previous SDS.....: 009768/01 Date of previous issue.: 2002-05-22

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

Product name.....: FINISHER CONCENTRATE

Use of the substance/preparation:

Offset plate finisher solution

Company/undertaking:

Agfa-Gevaert Ltd
 27 Great West Road
 Brentford, MiddX. TW8 9AX
 Telephone No : 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. Full text of each relevant R-phrase is listed in Section 16.

Aqueous offset plate finisher solution, mainly consisting of:

- Subtilisin 0.5 - 1.0 % by weight
 CAS-number.....: 9014-01-1
 EC-number.....: 647-012-00-8
 EINECS/ELINCS-number...: 232-752-2
 Danger symbols.....: Xn
 EC R-sentences.....: R37/38 R41 R42
- 5-Chloro-2-methyl-2H-isothiazol-3-one 0.0 - 0.1 % by weight
 CAS-number.....: 26172-55-4
 EINECS/ELINCS-number...: 247-500-7
 Danger symbols.....: T N
 EC R-sentences.....: R23/24/25 R34 R43 R50/53
- 2-Methyl-2H-isothiazol-3-one 0.0 - 0.1 % by weight
 CAS-number.....: 2682-20-4
 EINECS/ELINCS-number...: 220-239-6
 Danger symbols.....: T N
 EC R-sentences.....: R23/24/25 R34 R43 R50/53
- Water 30.0 - 40.0 % by weight
- Polyglycol 20.0 - 30.0 % by weight
- Dextrin, yellow 20.0 - 30.0 % by weight
- Triethanolamine 1.0 - 5.0 % by weight
- Sodium formate 1.0 - 5.0 % by weight
- Boric acid 1.0 - 5.0 % by weight

Product name.....: FINISHER CONCENTRATE
SDS.....: 009768/02 Validation date.....: 2004-01-12
Previous SDS.....: 009768/01 Date of previous issue.: 2002-05-22

3. Hazards identification

* EC-classification:

Danger symbols.....: Xi Irritant
EC R-sentences.....: R43 May cause sensitization by skin contact.

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

Not relevant (product is not combustible).

6. Accidental release measures

Personal protection measures: see Section 8.

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. For waste disposal see Section 13.

Wash away residues with plenty of water.

7. Handling and storage

Keep container tightly closed. Protect from direct sunlight. No special protective measures against fire and explosion required.

8. Exposure controls/personal protection

* Exposure limit values:

- 5-Chloro-2-methyl-2H-isothiazol-3-one

TLV - TWA values.....: ppm 0.200 mg/m3

- 2-Methyl-2H-isothiazol-3-one

TLV - TWA values.....: ppm 0.200 mg/m3

* Exposure controls:

Ventilation should be sufficient so that applicable occupational exposure limits are not exceeded. Observe normal precautions when handling chemicals. Keep away from foodstuffs, drinks and tobacco.

Hand protection: Nitrile gloves resistant to chemicals
Thickness of material: >= 0.45 mm
Breakthrough time: >= 480 min.

Eye protection: Safety glasses.

Product name.....: FINISHER CONCENTRATE
SDS.....: 009768/02 Validation date.....: 2004-01-12
Previous SDS.....: 009768/01 Date of previous issue.: 2002-05-22

9. Physical and chemical properties

Form: Liquid
Colour: Brownish
Odour: Nearly odourless

Miscible with water at all ratios.
Non-combustible (aqueous solution).

Density (20 °C).....: 1.1830
Melting point.....: < 0 °C
Boiling point.....: > 100 °C
Vapour pressure.....: not available
pH value (25 °C).....: 8.10
Part. coeff. oct./water: not available
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

10. Stability and reactivity

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

Hazardous decomposition products:
None

11. Toxicological information

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

Hazard labelling of this preparation: see Section 15.

Toxicologic data specific for individual ingredients in their pure state:

- Subtilisin
LD50 oral rat > 3,700 mg/kg

12. Ecological information

BOD 5.....: not available
COD.....: not available
Total dissolved subst.: not available
pH value (25 °C).....: 8.10

Product name.....: FINISHER CONCENTRATE
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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.

When this product or its contaminated packaging has to be removed as waste, contact an authorized waste contractor. For waste resulting from this product, it is recommended to use European Waste Code 08 03 12 (waste ink containing dangerous substances).

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.

- Transport information: ICAO /IATA passenger and cargo aircraft

Not restricted.

15. Regulatory information

Labelling.....: Contains isothiazolinones and subtilisin
Danger symbols.....: Xi Irritant
EC R-sentences.....: R43 May cause sensitization by skin contact.
EC S-sentences.....: S24 Avoid contact with skin.
S37 Wear suitable gloves.

16. Other information


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.

This Safety Data Sheet is compiled in accordance with European Directives.

Section(s) changed compared to the previous issue: 1, 2, 6, 7, 8, 13, 15

Full text of relevant R-phrases:

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R42 May cause sensitization by inhalation.

AGFA  **Safety Data Sheet**

EN

Printed : 2004-01-13 Page : 005/005

Product name.....: FINISHER CONCENTRATE	Validation date.....: 2004-01-12
SDS.....: 009768/02	Date of previous issue.: 2002-05-22
Previous SDS.....: 009768/01	

R43 May cause sensitization by skin contact.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.