



Safety Data Sheet

EN

Printed : 2002-06-06 Page : 001/006

Product name.....: FORTAKLEEN
MSDS.....: 008883/02
Previous MSDS.....: 008883/01
Validation date.....: 2002-06-05
Date of previous issue.: 2000-06-07

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

Product name.....: FORTAKLEEN

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.

Emulsion cleaner, mainly consisting of:

- petroleum distillate 50.0 - 80.0 % by weight
CAS-number.....: 64742-88-7
EC-number.....: 649-405-00
EINECS/ELINCS-number...: 265-191-7
Danger symbols.....: Xn
EC R-sentences.....: R65
- Xylene 1.0 - 5.0 % by weight
CAS-number.....: 1330-20-7
EC-number.....: 601-022-00-9
EINECS/ELINCS-number...: 215-535-7
Danger symbols.....: Xn
EC R-sentences.....: R10 R20/21 R38
- Propylbenzene 1.0 - 5.0 % by weight
CAS-number.....: 103-65-1
EC-number.....: 601-024-00-X
EINECS/ELINCS-number...: 203-132-9
Danger symbols.....: Xn N
EC R-sentences.....: R10 R37 R51/53 R65
- Isopropylbenzene 1.0 - 5.0 % by weight
CAS-number.....: 98-82-8
EC-number.....: 601-024-00-X
EINECS/ELINCS-number...: 202-704-5
Danger symbols.....: Xn N
EC R-sentences.....: R10 R37 R51/53 R65
- mesitylene 1.0 - 5.0 % by weight
CAS-number.....: 108-67-8
EC-number.....: 601-025-00-5
EINECS/ELINCS-number...: 203-604-4



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Danger symbols.....: Xi N
EC R-sentences.....: R10 R37 R51/53

- 1,2,4-trimethylbenzene 1.0 - 5.0 % by weight

CAS-number.....: 95-63-6
EC-number.....: 601-043-00-3
EINECS/ELINCS-number...: 202-436-9
Danger symbols.....: Xn N
EC R-sentences.....: R10 R20 R36/37/38 R51/53

- Phosphoric acid 1.0 - 5.0 % by weight

CAS-number.....: 7664-38-2
EC-number.....: 015-011-00-6
EINECS/ELINCS-number...: 231-633-2
Danger symbols.....: C
EC R-sentences.....: R34

- citric acid 5.0 - 10.0 % by weight

CAS-number.....: 77-92-9
EINECS/ELINCS-number...: 201-069-1
Danger symbols.....: Xi
EC R-sentences.....: R36

- Water 10.0 - 30.0 % by weight

3. Hazards identification

EC R-sentences.....: R10 Flammable.
R36 Irritating to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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. Seek medical attention.

Ingestion: Do not induce vomiting. Obtain medical attention.

Inhalation: Take person to fresh air. If necessary, seek medical advice.

5. Fire-fighting measures

Suitable extinguishing media: CO₂, foam, powder

Water mist may be used to cool closed containers.

6. Accidental release measures

Prevent release into the drain, soil or surface water.

Soak up with absorbent material. Collect large spills into a properly labelled and sealable container. For waste disposal see Section 13.



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7. Handling and storage

Keep at temperatures below 25 °C.
 Keep container tightly closed.
 Keep away from heat and sources of ignition.
 Keep container in a well-ventilated place.
 Take precautionary measures against static discharges.
 Store away from strong acids and strong oxidizing agents (e.g. sodium hypochlorite).

8. Exposure controls/personal protection

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

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

Eye protection: Safety glasses.

- Xylene

TLV - STEL values.....:	150.000	ppm	660.000	mg/m3
TLV - TWA values.....:	100.000	ppm	440.000	mg/m3

- Isopropylbenzene

TLV - STEL values.....:	50.000	ppm	250.000	mg/m3
TLV - TWA values.....:	20.000	ppm	100.000	mg/m3

- mesitylene

TLV - TWA values.....:	25.000	ppm	125.000	mg/m3
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- 1,2,4-trimethylbenzene

TLV - TWA values.....:	25.000	ppm	125.000	mg/m3
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- Phosphoric acid

TLV - STEL values.....:		ppm	2.000	mg/m3
TLV - TWA values.....:		ppm	1.000	mg/m3

9. Physical and chemical properties

Form: Liquid
 Colour: Off-white
 Odour: Smell of petroleum
 Partially miscible with water.
 Density (20 °C).....: not available
 Melting point.....: < 0 °C
 Boiling point.....: 150 °C +/- 50 °C
 Vapour pressure.....: > 200 Pa at 20 °C
 pH value (25 °C).....: < 3.00
 Part. coeff. oct./water: not available
 Auto ignition temp.....: > 200 °C
 Flash point OC.....: not available
 Flash point CC.....: 40 °C
 Explosion limit LEL.....: 0.6 vol, %
 Explosion limit UEL.....: 8.0 vol, %



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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 oxidizing agents.

11. Toxicological information

EC R-sentences.....: R10 Flammable.
R36 Irritating to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term
adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Toxicologic data specific for individual ingredients in their pure state:

- Xylene

LD50 oral rat 4,300 mg/kg
LD50 dermal rabbit > 1,700 mg/kg

- Propylbenzene

LD50 oral rat 6,040 mg/kg

- Isopropylbenzene

LD50 oral rat 1,400 mg/kg
LD50 dermal rabbit 10,580 mg/kg

- 1,2,4-trimethylbenzene

LD50 oral rat > 5,000 mg/kg

- Phosphoric acid

LD50 oral rat 1,530 mg/kg
LD50 dermal rabbit 2,740 mg/kg

- citric acid

LD50 oral rat 6,730 mg/kg
LD50 dermal rabbit 5,500 mg/kg

12. Ecological information

BOD 5.....: 133,000 mg O2/l
COD.....: 370,000 mg O2/l
Total dissolved subst.: < 250 g/l
pH value (25 °C).....: < 3.00

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



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actual concentration of each individual ingredient in this preparation.

- Xylene
Aquatic toxicity.....: 16.00 mg/l/ 96h Pimephales promelas(fath.min.)
- Phosphoric acid
Aquatic toxicity.....: 100.00 mg/l/ 96h Pisces (fish)
- 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.

Do not release into drain. Collect for removal by a licensed waste contractor.

For waste resulting from this product, it is recommended to use European Waste Code 14 06 03 (other solvents and solvent mixtures).

14. Transport information

- Transport information: ADR, ADNR, RID

UN number.....: 1300 Turpentine Substitute mixture
Class of risk.....: 3
Packing group.....: III
Kemler number.....: 30

- Transport information: IMO/ IMDG

UN number.....: 1300 Turpentine Substitute mixture
Class of risk.....: 3
Packing group.....: III
EMS code.....: 3-07
Marine pollutant.....: P

- Transport information: ICAO /IATA cargo aircraft only

UN number.....: 1300 Turpentine Substitute mixture
Class of risk.....: 3
Packing group.....: III
Packing instructions...: 310

- Transport information: ICAO /IATA passenger and cargo aircraft

UN number.....: 1300 Turpentine Substitute mixture
Class of risk.....: 3
Packing group.....: III
Packing instructions...: 309

15. Regulatory information

Labelling.....: Contains petroleum distillate and phosphoric acid and citric acid
Danger symbols.....: Xn Harmful
EC R-sentences.....: N Dangerous for the environment
R10 Flammable.



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R36 Irritating to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful; may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
EC S-sentences.....: S23.2 Do not breathe vapour.
S24 Avoid contact with skin.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S57 Use appropriate container to avoid environmental contamination.
S60 This material and its container must be disposed of as hazardous waste.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

16. Other information

Section(s) changed compared to the previous issue: 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.