

R42PT

**SAFETY DATA SHEET**  
according to EC directive 93/112/EC  
**FOUNT 405**



SUBID:000000008843

Version 2  
Revision Date 13.09.2004

Print Date 14/02/05

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Information**

Product name : FOUNT 405  
Use of the : Concentrated fountain solution  
Substance/Preparation

**Company/Undertaking Identification**

Agfa-Gevaert Ltd.  
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TW8 9AX Brentford, Middlesex  
United Kingdom  
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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-phrases is listed in section 16.

Concentrated fountain solution, consisting mainly of:

**Hazardous components**

• Sodium nitrate		Concentration [%] :	1.0	-	5.0
CAS-No.	: 7631-99-4				
EINECS-No.	: 231-554-3				
Symbol(s)	: O, Xn				
R-phrases(s)	: R22, R36, R 8				
• Citric acid		Concentration [%] :	1.0	-	5.0
CAS-No.	: 77-92-9				
EINECS-No.	: 201-069-1				
Symbol(s)	: Xi				
R-phrases(s)	: R36				
• Sodium 2-ethylhexyl sulphate		Concentration [%] :	1.0	-	5.0
CAS-No.	: 126-92-1				
EINECS-No.	: 204-812-8				
Symbol(s)	: Xi				
R-phrases(s)	: R36/38				
• Propan-2-ol		Concentration [%] :	1.0	-	5.0
CAS-No.	: 67-63-0				
Index-No.	: 603-117-00-0				
EINECS-No.	: 200-661-7				
Symbol(s)	: F, Xi				
R-phrases(s)	: R11, R36, R67				
• 4(5)-Methylbenzotriazole		Concentration [%] :	0.1	-	0.5
CAS-No.	: 29385-43-1				
EINECS-No.	: 249-596-6				
Symbol(s)	: Xn				
R-phrases(s)	: R22, R52/53				

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• 1,2-Benzisothiazol-3(2H)-one	Concentration [%] :	0.1	-	0.5
CAS-No.	:	2634-33-5		
Index-No.	:	613-088-00-6		
EINECS-No.	:	220-120-9		
Symbol(s)	:	Xn, N		
R-phrase(s)	:	R22, R38, R41, R43, R50		
• 5-Chloro-2-methyl-2H-isothiazol-3-one	Concentration [%] :	0.0	-	0.1
CAS-No.	:	26172-55-4		
EINECS-No.	:	247-500-7		
Symbol(s)	:	T, N		
R-phrase(s)	:	R23/24/25, R34, R43, R50/53		
• 2-Methyl-2H-isothiazol-3-one	Concentration [%] :	0.0	-	0.1
CAS-No.	:	2682-20-4		
EINECS-No.	:	220-239-6		
Symbol(s)	:	T, N		
R-phrase(s)	:	R23/24/25, R34, R43, R50/53		

**Other**

• Water	Concentration [%] :	60.0	-	80.0
• Glycerine	Concentration [%] :	5.0	-	10.0
• Dextrin, yellow	Concentration [%] :	1.0	-	5.0
• Sodium citrate	Concentration [%] :	1.0	-	5.0
• Sodium tetraborate	Concentration [%] :	1.0	-	5.0

**3. HAZARDS IDENTIFICATION**

**EC-classification:**

Symbol(s) : Xi                      Irritant  
R-phrase(s) : 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**

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.

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## 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.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Limit Values

Components	CAS-No.	Values	Type	Revision date	Basis
Propan-2-ol	67-63-0	999 mg/m <sup>3</sup>	TWA	2002	EH40 OES
		1,250 mg/m <sup>3</sup>	STEL	2002	EH40 OES

### 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 : Red  
Odour : Odourless

### Safety data

pH (25 °C) : 4.4  
Melting point/range :  $<$  0 °C  
Boiling point/range :  $>$  100 °C  
Lower explosion limit : Not applicable  
Upper explosion limit : Not applicable  
Relative density (20 °C) : 1.135  
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.  
Hazardous decomposition products : None

**11. TOXICOLOGICAL INFORMATION**

R-phrase(s) : R43 May cause sensitization by skin contact.

Toxicity data specific for individual ingredients in their pure state:

**Acute oral toxicity**

- Sodium nitrate : LD50 rat 1,267 mg/kg
- Citric acid : LD50 rat 3,000 mg/kg
- Sodium 2-ethylhexyl sulphate : LD50 rat 4,000 mg/kg
- Propan-2-ol : LD50 rat 5,045 mg/kg
- 4(5)-Methylbenzotriazole : LD50 rat 675 mg/kg
- 1,2-Benzisothiazol-3(2H)-one : LD50 rat 1,020 mg/kg

**Acute inhalation toxicity**

- Propan-2-ol : LC50 rat < 1 mg/l/ 4 h

**Acute dermal toxicity**

- Citric acid : LD50 rabbit 5,500 mg/kg
- Sodium 2-ethylhexyl sulphate : LD50 rabbit > 5,000 mg/kg
- Propan-2-ol : LD50 rabbit 12,800 mg/kg
- 4(5)-Methylbenzotriazole : LD50 rabbit > 2,000 mg/kg

**Other information**

Hazard labelling of this preparation: see section 15.

**12. ECOLOGICAL INFORMATION**

**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**

- Propan-2-ol : Species: Pimephales promelas (fathead minnow)  
Dose: 10,400.00 mg/l/ 96 h
- 4(5)-Methylbenzotriazole : Species: Brachidanio rerio (zebra fish)

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Dose: 64.00 mg/l/ 96 h

**Toxicity to daphnia**

- Citric acid : Species: Daphnia magna (water flea)  
Dose: 1,535.00 mg/l/ 48 h

**Toxicity to bacteria**

- Propan-2-ol : Species: Pseudomonas putida (bacteria)  
Dose: 1,050.00 mg/l  
Species: Entosiphon sulcatum (protozoa)  
Dose: 4,930.00 mg/l

**Further information on ecology**

Biochemical oxygen demand : 143,000 mg/l  
within 5 days (BOD5 )  
Chemical Oxygen Demand : 316,000 mg/l  
(COD)

**13. DISPOSAL CONSIDERATIONS**

Environmental regulations, discharge of chemicals and wastewater, 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 : 07 03 04 (other organic solvents, washing liquids and mother liquors).

**14. TRANSPORT INFORMATION**

**Further Information**

Not classified as dangerous in the meaning of transport regulations.

**15. REGULATORY INFORMATION**

**Labelling according to EC Directives**

Hazardous components which must be listed on the label :

- CAS-No. : 55965-84-9 Isothiazolinones
- Symbol(s) : Xi Irritant
- R-phrase(s) : R43 May cause sensitization by skin contact.
- S-phrase(s) : S24 Avoid contact with skin.
- S37 Wear suitable gloves.

**16. OTHER INFORMATION**

Section(s) changed compared to the previous issue: 1, 2, 6, 7, 8, 9, 11, 13, 15

**Further information**

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

- |           |  |
|-----------|--|
| R 8       | Contact with combustible material may cause fire.  |
| R11       | Highly flammable.  |
| R22       | Harmful if swallowed.  |
| R23/24/25 | Toxic by inhalation, in contact with skin and if swallowed.                                      |
| R34       | Causes burns.  |
| R36       | Irritating to eyes.  |
| R36/38    | Irritating to eyes and skin.   |
| R38       | Irritating to skin.  |
| R41       | Risk of serious damage to eyes.  |
| R43       | May cause sensitization by skin contact.   |
| R50       | Very toxic to aquatic organisms.   |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R52/53    | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.    |
| R67       | Vapours may cause drowsiness and dizziness.  |

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.