

R42V6

SAFETY DATA SHEET
according to EC directive 93/112/EC
FOUNT 605



SUBID:000000008847

Version 3
Revision Date 13.09.2004

Print Date 02/03/05

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

Product Information

Product name : FOUNT 605
Use of the : Concentrated fountain solution
Substance/Preparation

Company/Undertaking Identification

Agfa-Gevaert Ltd.
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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-phrase 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-phrase(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-phrase(s)	: R36				
• Ethanediol		Concentration [%] :	1.0	-	5.0
CAS-No.	: 107-21-1				
Index-No.	: 603-027-00-1				
EINECS-No.	: 203-473-3				
Symbol(s)	: Xn				
R-phrase(s)	: R22				
• (Ethylenedioxy)dimethanol		Concentration [%] :	1.0	-	5.0
CAS-No.	: 3586-55-8				
EINECS-No.	: 222-720-6				
Symbol(s)	: Xn				
R-phrase(s)	: R22, R36/37/38				
• 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				

• 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-phrased(s)	:	R23/24/25, R34, R43, R50/53		

Other

• Water	Concentration [%] :	60.0	-	80.0
• Glycerine	Concentration [%] :	5.0	-	10.0
• Sodium citrate	Concentration [%] :	1.0	-	5.0
• Sodium hexametaphosphate	Concentration [%] :	1.0	-	5.0
• Carboxymethylcellulose sodium salt	Concentration [%] :	1.0	-	5.0

3. HAZARDS IDENTIFICATION**EC-classification:**

Symbol(s)	:	Xi	Irritant
R-phrased(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	:	Take person to fresh air. If necessary, seek medical advice.

5. FIRE-FIGHTING MEASURES

Further information	:	Product is not combustible.
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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.
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Storage

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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
Ethanediol	107-21-1	10 mg/m3	TWA	2002	EH40 OES
		52 mg/m3	TWA	2002	EH40 OES
		104 mg/m3	STEL	2002	EH40 OES
		52 mg/m3	TWA	05 2001	EU ELV
		104 mg/m3	STEL	05 2001	EU ELV

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. Avoid inhaling vapour. Keep away from foodstuffs, drinks and tobacco.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : Liquid
Colour : Light yellow
Odour : Odourless

Safety data

- pH (25 °C) : 4.2
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) : 1.110
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

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Hazardous decomposition products : use.
: None

11. TOXICOLOGICAL INFORMATION

R-phrases : 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
- Ethanediol : LD50 rat 4,700 mg/kg

Acute dermal toxicity

- Citric acid : LD50 rabbit 5,500 mg/kg
- Ethanediol : LD50 rabbit 10,600 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

- Ethanediol : Species: Carassius auratus (goldfish)
Dose: 34.00 mg/l/ 96 h

Toxicity to daphnia

- Citric acid : Species: Daphnia magna (water flea)
Dose: 1,535.00 mg/l/ 48 h
- Ethanediol : Species: Daphnia magna (water flea)
Dose: 46.30 mg/l/ 48 h

Toxicity to bacteria

- Ethanediol : Species: Pseudomonas putida (bacteria)
Dose: > 10,000.00 mg/l

13. DISPOSAL CONSIDERATIONS

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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 : 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, 15

Further information

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

R 8	Contact with combustible material may cause fire.
R22	Harmful if swallowed.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

