

**SAFETY DATA SHEET**  
**ACCORDING TO REGULATION EC 1907/2006**  
**CITIFLUOR AF1 ANTIFADENT**  
**SOLUTION**



**1. Identification of the Substance/Preparation and the Company/Undertaking**

**Product name** Citifluor AF1 Antifadent Solution  
**Chemical identification** A buffered aqueous-glycerol amine solution  
**Use** Fluorescence microscopy mounting solution

**Manufacturer & supplier** Citifluor Limited, 18 Enfield Cloisters, Fanshaw Street, London, N1 6LD, UK  
**Phone** +44 (0)207 739 6561  
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**E-mail** davidson@citifluor.co.uk  
**Emergency phone** +44 (0)207 739 6561 (*not 24 hour*)

**2. Hazards Identification**

None known

**3. Composition/Information on Ingredients**

*Substances presenting a health or environmental hazard*

| EC number  | CAS number        | Chemical name            | Content | Hazard symbol(s)                 | Risk phrase(s) |
|------------|-------------------|--------------------------|---------|----------------------------------|----------------|
| Registered | Commercial secret | Aliphatic tertiary amine | 1-5%    | F Highly flammable<br>Xn Harmful | R11-22-36/38   |
| 200-289-5  | 56-81-5           | Glycerol                 | 85-95%  | None                             | -              |

**4. First Aid Measures**

*General*

Aqueous solution are alkaline

*Skin contact*

Remove any contaminated clothing and wash the infected area with plenty of water and soap. **SEEK MEDICAL ADVICE** if irritation persists.

*Eye contact*

Irrigate the eyes with copious amounts of water (holding the eyelids open with the fingers if necessary). **SEEK MEDICAL ADVICE** if irritation persists.

*Ingestion*

Give plenty of water provided they are conscious. Rinse mouth with copious amounts of water. **DO NOT** induce vomiting and **SEEK MEDICAL ADVICE**.

*Inhalation*

If breathing becomes difficult, remove to fresh air. **SEEK MEDICAL ADVICE**.

**5. Fire Fighting Measures**

*Flash point* >100°C

In the event of fire, suitable extinguishing media: water, foam, dry powder or carbon dioxide.

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Hazardous combustion products include: Oxides of carbon. Oxides of nitrogen.

**6. Accidental Release Measures**

Small quantities may be wiped up using an absorbent cloth or paper and rinsed away in running water. Larger quantities may be mixed with sand, or similar inert material, swept up and disposed of as nonhazardous waste.

**7. Handling and Storage**

*For professional use only*

*Handling*

This product should be handled by, or under close supervision of those properly qualified in the use of potentially hazardous chemicals and who should take into account the fire, health and chemical hazards reported on this sheet.

*Storage*

Store in well sealed bottle away from direct sunlight.

**8. Exposure Controls/Personal Protection**

*Exposure limit(s)*

| Substance | CAS number | Workplace exposure limit |                    |                            |                    | Comments and source |
|-----------|------------|--------------------------|--------------------|----------------------------|--------------------|---------------------|
|           |            | Long-term (8-hour TWA)   |                    | Short-term (15-minute TWA) |                    |                     |
|           |            | ppm                      | mg.m <sup>-3</sup> | ppm                        | mg.m <sup>-3</sup> |                     |
| Glycerol  | 56-81-5    | -                        | 10                 | -                          | 30                 | Mist EH40/2005      |

*Technical measures/precautions*

Use in a well-ventilated environment.

*Respiratory protection*

Not required

*Hand protection*

Not required

*Eye protection*

Not required

*Skin protection*

Not required

**9. Physical and Chemical Properties**

*Appearance* Clear, colourless liquid  
*Odour* Slight, musty  
*Boiling point* >100°C  
*Aqueous solubility* Completely miscible  
*pH* approx. 10 (500g/l @ 20°C)  
*Viscosity* approx. 180cps @ 22°C

**10. Stability and Reactivity**

*Conditions to avoid* High temperatures. Humidity. Strong light.

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*Materials to avoid*      Strong oxidising agents.

### **11. Toxicological Information**

*Acute oral toxicity*      Not tested  
*Acute dermal toxicity*      Not tested  
*Acute inhalation toxicity* Not tested

*Acute dermal irritation/corrosion* Non-irritant  
*Acute eye irritation/corrosion*      Non-irritant

*Acute skin sensitization*      Not expected to cause sensitization in susceptible individuals

### **12. Ecological Information**

*Acute toxicity to fish*      Not tested  
*Acute toxicity to daphnia*      Not tested  
*Acute toxicity to algae*      Not tested

*Biodegradability*      Expected to be readily biodegradable according to OECD criteria  
*Bioconcentration factor*      Not tested

### **13. Disposal Considerations**

Dispose of as special waste in accordance with local, regional and/or national guidelines.

### **14. Transport Information**

*RID/ADR*      Non-hazardous for rail/road transport  
*IMDG*      Non-hazardous for sea transport  
*IATA*      Non-hazardous for air transport

### **15. Regulatory Information**

*Labelling in accordance with Directive 91/155/EEC*

This product is not tested and the evaluation was performed using the EC calculation procedure.

No labelling required

### **16. Other Information**

*R-phrases from section 2*

R11      Highly flammable  
R22      Harmful if swallowed  
R36/38      Irritating to eyes and skin

To the best of our knowledge the information contained on this data sheet is believed to be correct at the date of its publication and is for guidance only. Citifluor Limited shall not be liable for any loss, injury or damage from the handling or contact with this product. This product is not for use by the general public or in food, drug or cosmetics and is for laboratory and professional use only. As far as practicable any revisions will be sent to all customers to whom we have supplied directly but it is the responsibility of any intermediary to pass on such information to the ultimate user.

*Prepared for Citifluor Limited on June 6th, 2008*

*Authorised version 2*

*Replaces version 1 dated March 25<sup>th</sup>, 2004*