

**SAFETY DATA SHEET**  
**ACCORDING TO REGULATION EC 1907/2006**  
**CITIFLUOR CFM-2 SOLUTION**



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

**Product name** Citifluor CFM-2 Solution  
**Chemical identification** A buffered aqueous-glycerol solution  
**Use** Fluorescence microscopy mounting solution

**Manufacturer & supplier** Citifluor Limited, 18 Enfield Cloisters, Fanshaw Street, London, N1 6LD, UK

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**2. Hazards Identification**

Irritating to skin and eyes

**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	Heterocyclic compound	20-30%	Xi Irritant	R36/38
200-289-5	56-81-5	Glycerol	50-60%	None	-
201-064-4	77-86-1	Tris(hydroxy-methyl)amino-methane	0-1%	Xi Irritant	R36/37/38

**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

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

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*

Impervious gloves of butyl, neoprene or nitrile rubber

*Eye protection*

Chemically resistant safety spectacles with side protection

*Skin protection*

Long sleeves. Closed footwear.

**9. Physical and Chemical Properties**

*Appearance* Clear, colourless liquid

*Odour* Slight, musty

*Aqueous solubility* Completely miscible

*pH* approx. 8.5 @ 20°C

*Refractive index* 1.5160 ± 0.005 @ 20°C

**10. Stability and Reactivity**

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

*Materials to avoid* Acids. Strong oxidising agents.

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**11. Toxicological Information**

*Acute oral toxicity* Not tested

*Acute dermal toxicity* Not tested

*Acute inhalation toxicity* Not tested

*Acute dermal irritation/corrosion* Expected to be irritating to the skin

*Acute eye irritation/corrosion* Expected to be irritating to the eyes

*Acute skin sensitisation* Not expected to cause sensitisation 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.

*Hazard symbol(s)* Xi Irritant

*Risk phrase(s)* R36/38 Irritating to eyes and skin

*Safety phrase(s)* S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S36/37 Wear suitable protective clothing and gloves

**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 June 29th, 2004*