

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 ⁻³	ppm	mg.m ⁻³	
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

<i>Appearance</i>	Clear, colourless liquid
<i>Odour</i>	Slight, musty
<i>Aqueous solubility</i>	Completely miscible
<i>pH</i>	approx. 8.5 @ 20°C
<i>Refractive index</i>	1.5160 ± 0.005 @ 20°C

10. Stability and Reactivity

<i>Conditions to avoid</i>	High temperatures. Humidity. Strong light.
<i>Materials to avoid</i>	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