

Material Safety Data Sheet

(17970-25 AND 17970-100)

Section 1: Chemical Product and Company Identification

Product Name: Citifluor AF1

Catalog Number: 17970-25 and 17970-100

CAS#: See Section 3 below

Contact Information:

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CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

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

Section 3: Hazards Identification

None known

Section 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 Attention** if irritation persists.

Ingestion: Give plenty of water provided they are conscious. Rinse water 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**.

Section 5: Fire and Explosion Data

Flash Point: >100°C

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.

Section 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 non-hazardous waste.

Section 7: Handling and Storage

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.

Section 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: Not required

Eye protection: Not required

Skin protection: Not required

Section 9: Physical and Chemical Properties

Appearance: clear, colorless liquid

Odor: slight, musty

Boiling Point: >100°C

Aqueous solubility: completely miscible

pH: approx. 10 (500 g/l @ 20°C)

Viscosity: approx. 180 cps @ 22°C

Section 10: Stability and Reactivity Data

Conditions to Avoid: High temperatures. **Humidity.** Strong light.

Materials to Avoid: Strong oxidizing agents.

Section 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 dermal/irritation/corrosion: Non-irritant

Section 12: Ecological Information

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

Section 13: Disposal Considerations

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

Section 14: Transport Information

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

Section 15: Other 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 labeling required.

Section 16: Other Information:

Revised: June 6, 2008

Verified and Printed: January 17, 2011

R-phrases from Section 2: R11- highly flammable R22 – harmful if swallowed R36/38 – irritating to eyes and skin

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