

Material Safety Data Sheet

(17972)

Section 1: Chemical Product and Company Identification

Product Name: Citifluor AF3 Antifadent Solution

Catalog Number: 17972

CAS#: See Section 2 below

Contact Information:

Electron Microscopy Sciences

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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

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 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.

Section 5: Fire and Explosion Data

Flash Point: None found

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): No components of this mixture are listed in 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: Odorless

Boiling point: approx. 100°C

Aqueous solubility: completely miscible

pH: approx. 10.5 @20°C

Refractive index: 1.4628 ± 0.001 @20°C

Section 10: Stability and Reactivity Data

Conditions to Avoid: High temperature. Humidity. Strong light.

Materials to Avoid: Acids

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 skin sensitization: Not expected to cause sensitization in susceptible individuals.

Section 12: Ecological Information

Acute toxicity to fish: Not tested

Acute toxicity to daphnia: Not tested

Acute toxicity to algae: Not tested

Bioconcentration factor: Not tested

Biodegradability: Expected to be readily biodegradeable according to OECD criteria.

Section 13: Disposal Considerations

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

Section 14: Transport Information

RID/ADR: Non-hazardous for rail/railroad 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:

R-phrases from Section 2: **R11:** Highly flammable **R22:** Harmful if swallowed
R36/38: Irritating to eyes and skin

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