

# Tinopal® SFP

## Product Description

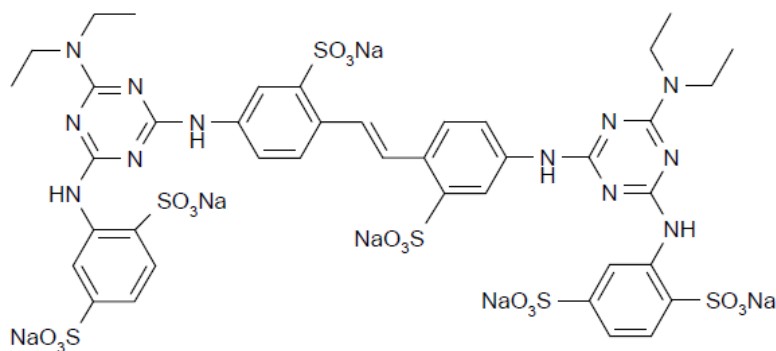
Tinopal SFP is a fluorescent optical brightener for photographic color developer baths, adhesive compositions, or as fluorescent tracers.

## Key Features & Benefits

- Brilliant bluish whitening effects
- Anti-stain properties
- Excellent solubility in water

## Chemical Composition

Hexasodium 2,2'-[vinylenebis[(3-sulphonato-4,1-phenylene)imino[6-(diethyl-amino)-1,3,5-triazine-4,2-diyl]imino]]bis(benzene-1,4-disulphonate)



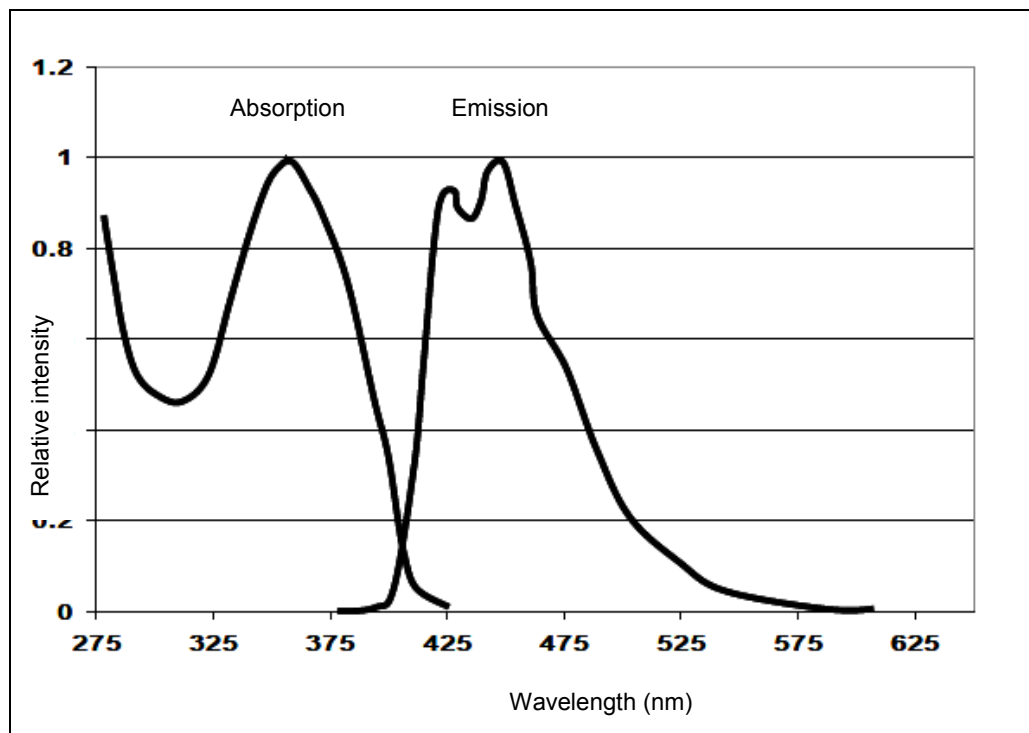
## Properties

### Typical Properties

Appearance		light yellow powder
CAS number		41098-56-0
Molecular weight	g/mol	1,305
pH in deionized water (at 20°C / 68°F)		8 – 10.5
Solubility in deionized water (at 20°C / 68°F)	g/g solution	> 100/100
Iron content	ppm	< 25

These typical values should not be interpreted as specifications.

**Absorption and Emission Spectra in a 1:1 blend of DMF and water (cell thickness = 1cm)**



## Application

Tinopal SFP is a fluorescent optical brightener that provides anti-stain properties and brilliant bluish whitening effects in photographic color developer baths to enhance the apparent whiteness of processed color prints, where it may also act as both an optical brightener and as anti-stain agent.

Tinopal SFP is recommended for applications such as:

- Photographic color developer baths
- Water-based coatings
- Over print varnish applications

## Processing

The high water solubility of Tinopal SFP allows easy incorporation into the Part A of a typical color developer. It is recommended to dissolve the quantity of Tinopal SFP in water and then to add the organic solvent to the solution.

## Recommended Concentrations

The amount of Tinopal SFP required for optimum performance should be determined in laboratory trials covering a concentration range and is dependent upon the type of color paper to be processed and the type of color developer used.

- 0.5 – 1.0 g/l color developer at working strength.

## Safety

### General

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State, and Local health and safety regulations, thorough ventilation of the workplace, good skin care, and wearing of protective goggles.

### Safety Data Sheet

All safety information is provided in the Safety Data Sheet for Tinopal SFP.

## Storage

Please refer to the "Handling and Storage of Polymer Dispersions" brochure.

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