

# LUMINOPHORE SFG

*(Fluorescent Whitening Agent for Polyester fibres and their blends)*

<b>Chemical Basis</b>	Aqueous dispersion of styrylbenzene derivative
<b>Colour Index Number</b>	FWA C.I.199.1
<b>Ionicity</b>	Non-ionic
<b>Form</b>	Yellow To Cream Liquid dispersion
<b>PH of a 10% dispersion</b>	4.5 to 5.5
<b>Dispersion Properties</b>	Miscible in cold water in all proportions
<b>Shelf life</b>	When stored in its original sealed container, LUMINOPHORE SFG, has a self-life of about 1 year.
<b>Light fastness</b>	5 - 6

## SPECIAL PROPERTIES

- Economical without compromise in whiteness
- Excellent whiteness in the exhaust process at 95° C (even without addition of a carrier).
- Luminophore SFG, as dispersed in water, is neutral and stable to acids and alkalis, giving good optical whitening effect at a wide range of pH value (3.0 to 9.0)
- Luminophore SFG has an inherent greenish to bluish hue, additions of a violet disperse dye, 0.1% to 0.2% on the weight of Luminophore SFG would help increase whiteness and adjust colour shade.
- Luminophore SFG exhausts completely onto polyester fibers at the boil. Addition of carriers or raising temperature can enhance the degree of whiteness.

## NOTES ON APPLICATION

### Exhaust application

Excellent whiteness is obtained with LUMINOPHORE SFG at 95° C, even without the addition of a carrier. Optimum whiteness can be achieved at temperatures ranging between 95° C and 130° C for 30 minutes

At 98°C without Carrier process	0.1% to 0.6% Luminophore SFG
HT process (15-30 mins. at 130° C)	0.2% to 1.2% Luminophore SFG

### Continuous process (Pad Thermosolling)

Luminophore SFG produces an excellent brilliant white effect at thermosol temperatures of 170°C to 210°C 15 to 30 seconds

Curtains	2 to 10 g/l Luminophore SFG
Knitted fabrics	2 to 10 g/l Luminophore SFG

AS IS THE CASE WITH ALL DISPERSIONS, LUMINOPHORE SFG MAY TEND TO SETTLE DOWN ON PROLONGED STORAGE. IN SUCH A CASE, SIMPLE STIRRING SHALL RETURN THE PRODUCT TO ITS ORIGINAL FORM.



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