

LUMINOPHORE MST LIQ

(Fluorescent whitening agent with a bluish cast for cellulosic fibers and their blends)

LUMINOPHORE MST LIQUID

Fluorescent whitening agent with a bluish cast for cellulosic fibers and their blends

Uses

Fluorescent whitening agent for cellulosic fibres and their blends for preferably pad application

Characteristics	Benefits
Low affinity product	Absolutely no tailing effect, excellent leveling in pad application
Liquid pumpable formulation, miscible in water in all proportions	Simple handling and useful in continuous dosing systems
Excellent build up	Brilliant whiteness
Good stability to acids	Suitable in acid cross-linking processes like resin finishing even in presence of high levels of electrolytes

Properties

Chemical character:	Stilbene derivative
Ionic character:	Anionic
Appearance:	Clear yellow liquid
Storage stability:	LUMINOPHORE MST LIQUID is stable up to 2 years when properly stored in closed containers at 20°C.
Ecology/Toxicology:	The usual hygiene and safety rules for handling chemicals must be observed in storage, handling and use. Product must not be swallowed. For further information please consult the existing safety data sheet.

Stability

pH Stability	3.5 – 12
Hard water	Up to 30° German hardness
Cross-linking baths	Very good
Electrolytes	Very good
Peroxide bleach	Very good
Reductive bleach	Very good
Chorite bleach	Not stable
Chlorine bleach	Not stable
Alkali	Very good
Acid	Very good

Fastness Properties

CEL

Light		ISO 105-B02	3 - 4
	40 °C	ISO 105-C06/A1S	4
Washing	60 °C	ISO 105-C06/C1S	3 – 4
	95 °C	ISO 105-C06/E2S	2 – 3
	mild	ISO 105-N01	5
Chlorine bleach	severe		4 – 5
Chlorine bleach	mild	ISO 105-N03	1
Alkali		ISO 105-E06	5
Acid		ISO 105-E05	5
Perspiration	alkaline	ISO 105-E04	5
	acid		5
Dry heat	30 s / 180 °C	ISO 105-P01	5

Application

Continuous application: From water or with compatible finishing agents, especially highly acidic cross-linking baths

Exhaust application: From hard water or soft water along with electrolytes

Dissolving / Diluting:

Miscible with cold or hot water in all proportions

Stock solutions should be kept away from light.

Required amount of

LUMINOPHORE MST LIQUID

Pad application

6 – 24g/l

Exhaust application

1.5 – 6%

Leveling/stripping

1 – 2 g/l

Strong dispersing agent e.g. Setamol WS (BASF)

Treat for 45 - 60minutes at 80 - 90°C

To freshen up the whiteness and avoid subsequent yellowing, hydrogen peroxide or stabilized sodium hydrosulphite should be added. Re-whitening can be carried out with LUMINOPHORE MST LIQUID or other products in the SKAYWHIT range, which are suitable for cellulosic fibers. LUMINOPHORE MST LIQUID can be radically stripped from cellulosic and PA fibres using sodium chlorite bleach

Attention

Our technical data sheets provide directions for the application possibilities of our products. Our recommendations are in line with our present state of knowledge and do not provide any guarantee. Therefore, initial internal bulk trials are absolutely necessary and are at user's sole responsibility. The manufacturer is not liable for damages due to improper application or application against our explicit recommendations.

Statutory provisions and standard regulations must be observed when handling processing agents. For additional detailed information, please refer to the product specific safety data sheet.

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