

LUMINOPHORE BBU LIQ

(Fluorescent whitening agent for cellulosic fibres and their blends)

Luminophore BBU Liquid**Fluorescent whitening agent for cellulosic fibres and their blends****Uses**

Fluorescent whitening agent for cellulosic fibres and their blends for application at all stages of wet processing

Characteristics	Benefits
Liquid, pumpable formulation, miscible with water in all proportions	Simple handling, suitable for automatic dispensing units
Medium affinity product	Suitable for application in both exhaust and continuous as well as semi-continuous process
Excellent build up	Brilliant whiteness in both exhaust as well as continuous processes
Good stability to alkalis, peroxide and electrolytes	Possibility to combine application in a wide range of processes
Excellent stability to reducing agents	Possibility to combine in discharge printing process as well as reductive bleach process

Properties

Chemical character:	Stilbene derivative
Ionic character:	Anionic
Appearance:	Brownish yellow liquid
Storage stability:	LUMINOPHORE BBU LIQ. is stable up to 2 years when properly stored in closed containers at 20°C. Product is sensitive to cold below 0°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	5.5 – 12
Hard water	Up to 30° German hardness
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	5
Washing *	60 °C	ISO 105-C06/C1S	4 - 5
	95 °C	ISO 105-C06/E2S	4
Chlorine bleach	mild	ISO 105-N01	5
	severe		4
Chlorite 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

- * The ratings also apply when the wash liquor contains a reductive (sodium dithionite) or oxidative (hydrogen peroxide) bleaching agent.

Application

Continuous application:

Application from water in neutral to slightly acidic conditions in finishing liquors (pH above 5.5) or in the peroxide bleach, either in pad steam or immersion bleach application. Another possibility is application in wash whitening process

Exhaust application:

Application from hard water or soft water with addition of electrolytes or along with peroxide or reductive bleach

Dissolving / Diluting:

Miscible with cold and hot water in all proportions

Stock solutions and also substrates treated with the whitening agent, as long as it is not fixed should be kept away from the light.

Required amount of on CEL

LUMINOPHORE BBU LIQ

Padding, liquor pick-up about 65 – 75%	2 – 8 g/l
Peroxide bleach impregnation, liquor pick-up about 80 – 100%	2 – 8 g/l
Exhaust	0.2 – 1%
White discharge	2 – 8 g/kg (preliminary trials should be carried out due to different ingredients used in print paste)
Wash whitening process	2 – 8 g/l

Leveling/stripping

1 – 2 g/l Strong dispersing agent e.g. Satamol WS (BASF)

Treat for 45 - 60minutes at 80 - 90°C

To freshen up the whiteness and avoid subsequent yellowing, hydrogen peroxide or stabilized sodium dithionite should be added. Re-whitening can be carried out with LUMINOPHORE BBU LIQ. or other products in the SKAYWHIT range which are suitable for cellulosic fibers.

LUMINOPHORE BBU LIQ. can be radically stripped using sodium chlorite bleach.

Notes

LUMINOPHORE BBU LIQ. has slightly less affinity for regenerated cellulose than for cotton.

Iron and, to a far less extent, copper compounds impair the white effect and treatment may be carried out on machines of these metals only if the surfaces have been rendered inert. If there is any risk of iron or copper compounds reaching the whitening bath it is advisable to add a chelating agent.

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.

Contact

United Ventures,
53, Siddhivinayak, Sp-19/20,
N.S. Road No. 7,
JVPD Scheme,
Vile Parle (W),
Mumbai 400 049, INDIA.
Tel. No. +91-22-26701144 / +91-22-2670 1155
Fax : +91-22-4276 2223
Email : ventures.united@gmail.com