We create chemistry

Lignostab® 530

Product description

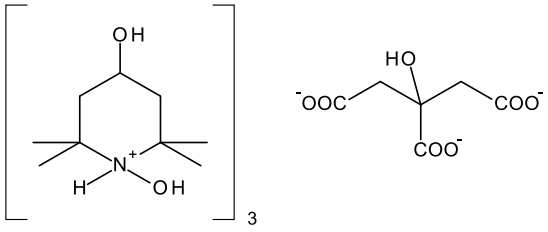
Liquid light stabilizer (ESQ) for the protection of light-colored wood and paper-based materials against UV-light induced discoloration.

Key benefits

- Prevents darkening of pale wood caused by UV-light induced photo-oxidation of the lignin
- Can be used on oak solid wood and oak veeners
- Almost no own color, especially usable on very light color woods and wood veneers
- Liquid product form, does not contain flammable solvents

Chemical nature

Tris(tetramethylhydroxypiperidinol) citrate in water



Properties

Physical form

Clear yellowish liquid.

Technical data
(not supply specification)

Active content		~ 10 %
Solid content		~ 10 %
Dynamic viscosity @ 20 °C	DIN 53019	1.45 mPa.s @ 100 s^{-1}
Density @ 20 °C	DIN EN ISO 2811-3	1.0201 g/cm^3
pH value	ASTM E70	~ 5.4

Application

If required, Lignostab® 530 can be further diluted with DI-water. Application can be done via dipping, spraying or through brush application.

Formulation guideline

Recommended concentrations for wood pretreatments: 1 – 2 % active in formulation.

Lignostab® 530 has always to be combined with selected UV absorbers (for interior applications) or UV absorber + HALS (for exterior applications) in the same treatment (internal UV filter effect) or, better, in a subsequently applied coating (external filter effect).

For aqueous systems (primers and/or topcoats) Tinuvin® 9945-DW ECO, Tinuvin® 400-DW ECO and Tinuvin® 477-DW ECO are the UV absorbers of choice and Tinuvin® 123-DW ECO or Tinuvin® 249-DW ECO are the HALS of choice. Alternatively, the ready-to-use UVA/HALS blend Tinuvin® 5333-DW ECO can be used.

For solventborne systems (primers and/or topcoats) Tinuvin® 99-2, Tinuvin® 400 and Tinuvin® 477 are the UV absorbers of choice and Tinuvin® 123 or Tinuvin® 249 are the HALS of choice.

Storage

When kept in original un-opened containers and at temperature between + 5 °C and + 35 °C, Lignostab® 530 can be stored up to 6 months from date of manufacture.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

BASF SE
Resins & Additives (Europe)
67056 Ludwigshafen, Germany
www.basf.com/resins

30797337