

### BRIGHTENER®

#### 1.0 Description

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To improve Colour of Boron Treatment Solution and Treated Wood

Appearance

& odour: Light yellow liquid & chlorine odour

Density: 1.1 g/ml at 20°C

Solubility: Completely soluble in water

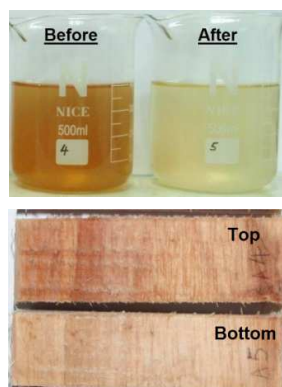
pH: 11.4

#### 2.0 Function

##### 2.1 General

Treatment of wood with boron treatment solution is widely carried out as boron provides protection against borers attack. Nevertheless the boron treatment solution discoloured due to several factors such as the boron treatment solution in the treatment plant is recycled and reused, wood extractives from treatment processes and contamination from various sources. These factors contribute to the darkening appearance of wood after treatment.

Brightener can clean up the discoloured boron treatment solution within short period of time of adding Brightener into discoloured boron treatment solution. Wood treated with boron treatment solution added with Brightener result in fresher and cleaner looking wood.



*Top – freshly treated rubberwood which was treated with contaminated boron treatment solution*

*Bottom - freshly treated rubberwood which was treated with boron treatment solution added with Brightener.*

#### 2.2 Application

Brightener is a liquid formulation that can be added into boron treatment solution to clean up discoloured boron treatment solution and resulting in cleaner and fresher looking treated wood.

#### 3.0 Benefits

- Brightener can be easily mixed into boron treatment solution
- No modification needed to treatment plant or treatment schedule
- Cleaner and fresher looking treated wood
- Clean up discoloured treatment solution
- Removes bad odour of treatment solution
- Non corrosive to plant

#### 4.0 Directions for Use

Brightener can be added during preparation of boron treatment solution or whenever required. It can be directly added into boron treatment solution.

The amount of Brightener to be added into boron treatment solution will depend on the degree of contamination. For freshly mixed boron treatment solution, it is recommended to use 0.5% w/w (1 L Brightener to 200L boron treatment solution).

Brightener may be added to boron treatment solution whenever the colour of boron treatment solution is showing signs of getting discoloured. The recommended concentration to be used will range from 0.5-2.0% w/w depend on the degree of contamination.

For maximum results ensure that Brightener is properly mixed into the boron treatment solution.

Always keep the cap tightly fastened and the product out of the reach of children.

#### 5.0 Safety & Handling

Please refer to material safety data sheet for further information.