



# PRESCHEM RAIL RODS (PS 18)

Date	Sep 05
Issue	003

## TECHNICAL DATA SHEET

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### DESCRIPTION

Solid rods of concentrated elemental Boron and Fluoride manufactured as a slow release wood preservative for the control of fungal decay and termites in *Railway Sleepers*, especially the critical rail plate area.

### SPECIFICATIONS

Active Constituents	- <b>124g/kg Boron (B)</b> - <b>110g/kg Fluorine (F)</b>
Appearance	- <b>white solid rods (70mm long ± 18mm)</b>
Solubility in Water	- <b>soluble (9.5% at 20° C)</b>
PH	- <b>7.6 (at a 10% concentration)</b>
Odour	- <b>nil</b>
Corrosivity	- <b>non corrosive</b>
Compatibilitiy	- <b>Compatible with metals and plastics</b>
Stability	- <b>indefinite if stored in cool dry place</b>

### Treatment of Sleeper with Rail Rods

### DIRECTIONS FOR USE

1. Use synthetic rubber/PVC gloves when handling the product.
2. Drill two 19mm diameter × 80mm deep holes into each sleeper adjacent to each rail. (4 holes/sleeper) Each hole is to be located in an offset position on opposite sides of each rail and at 50mm from the edge of the sleeper.
3. Insert 1 Rail Rod into each hole.
4. Seal each hole.

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Manufacturing Plant:**

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*“Manufacturers of Wood Preservatives and Clear Timber Finishes”*



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Date	Sep 03
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### MODE OF ACTION

Preschem Rail Rods are recommended for the remedial treatment of rot and termite attack in wooden railway sleepers, especially around the critical load bearing area of the rail. In the presence of moisture inside the timber, the rods will slowly dissolve, releasing the active ingredients. Boron and Fluorine diffuse into the timber to kill any biodeteriorogens and provide protection from further attack. The rods are able to deliver up to 1.3 kg/m<sup>3</sup> of elemental Boron and 1.2 kg/m<sup>3</sup> of elemental Fluorine in the treated zone. These loadings are more than adequate to inhibit most decay, fungi and insects.

### PRECAUTIONS

For use as a wood preservative. Avoid contact with the skin and eyes. Use gloves when handling and wash hands thoroughly after use. The material is non flammable. Store in the close original container in a well ventilated area as cool as possible. Do not store for prolonged periods in direct sunlight. Dispose of packaging at an approved disposal site.

### PACKAGING

Available in boxes containing 120 rods weighing 2.5kg. Boxes are packed 6 to a carton.

### SAFETY

Refer to the *MSDS* for **Preschem Rail Rods**. (MSDS 06)

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