



MEHTA PETRO REFINERIES LTD.



FACTORY ADDRESS:

Plot No. 1/11, Sector No. 437, Dewan & Sons Udyog, Village – Mahim, Taluka - Palghar, Dist-Palghar – 401 404, Maharashtra, India.
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TECHNICAL DATA SHEET

GRADE : TRI BUTYL BORATE

Product Identification

This product is specially designed to suit the lubricant industry specifically Grease industry.

Acts as an additive for Lithium base greases to give following results
1. Increase in dropping point. 2. Excellent Rust prevention characteristics. 3. Very Good shear stability. 4. Good results in 1,00,000 strokes test. 5. Timken test passes up to 20 lbs 6. The grease also get very good appearance on storage without leakage on the surface 7. It can be used in oil as excellent rust prevention characteristics.
Uses
• Agent for impregnating with crystalline boric acid to render textile fire resistance and to prevent plastic sheets and fibers from sticking together. • Improves adhesion of lacquers and inks to metal surface. • Inhibits formation of wax crystals in oil at low temperatures. • In gas welding it leaves a smoother and cleaner surface. • As Drying agent to remove water from non-aqueous systems. • Also used in rubber additives, fire proofing agent, adhesives. Etc.

Properties

Colour	Water White Liquid
Sp. Gravity @ 25°C	0.8550 - 0.8570
Boiling Point	232.4 (760 mm) °C
Distillation Range	85% between 135 - 140°C (40 mm)
Refractive Index	N25 / D. 1.4071
Melting Point	<70°C
Viscosity	1..601 cps @ 25°C
Flash Point	185°F
Other Properties	Hydrolyses rapidly in presence of water, Miscible with common Organic solvents like Alcohols, Esters, Diacetone, Chloroform, Carbon Tetrachloride and Naphtha.



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Method/Dosage for use in greases as a drop point improver

1. Grease of 180°C to 220°C

About 2.5%TBB to be added in grease at 130-135°C without exhaust and stirring for about 30 minutes after that start exhaust to get rid of smell/odour and cooling will be continued

2. Grease from 220 to 250°C

Follow the above method by adding 3.5% additive.

3. Grease from 250 to 270°C

Follow the above method by adding 4.5% additive.