



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 OCTYL BORATE

Product Description

TRI OCTYL BORATE is a specifically designed additive to suit the lubricant industry specifically for Grease production and manufacturing. It is mainly used to increase the drop point of lithium greases and is an efficient and effective drop point enhancer **TRI OCTYL BORATE** is widely used as an additive in Lithium base greases to obtain the following result:

1. Increase in the dropping point.
2. Excellent Rust preventive characteristics.
3. Very good shear stability.
4. Good results in the 1,00,000 strokes test.
5. Timken test passes up to 20 lbs load.
6. The grease also gets a very good appearance on storage without leakage on the surface.
7. It can be used in oil due to the rust preventive characteristics.

Method for use in greases as a drop point improver

TRI OCTYL BORATE is to be added as per requirement in the grease at the approximate temperature of about 130°C - 140°C (without exhaust) and continue stirring for around 30 minutes. After that start the exhaust to get rid of smell/odour and cooling to be continued.

Product Dosage

Recommended Dosages	
1.5% - 2.5%	180°C - 220°C
2.5% - 3.5%	220°C - 250°C
3.5% - 4.5%	250°C - 280°C

Note: The above dosage are an approximate guide for manufacturers. We recommend that users experiment with their grease formulation to find the optimum dosage required for them based on above data as an example.



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Properties

Colour	Clear White to Pale Yellow Oily Liquid
Specific Gravity @ 25°C	0.8550 - 0.8600
Boling point	379°C
Distillation Range	95% between 230 - 360°C (40 mm)
Other Properties	• Hydrolyses rapidly in presence of water. • Miscible with common Organic solvent like Alcohols Esters. Diacetone Alcohol, Chloroform, Carbon Tetrachloride and Naphtha.

Product package size

TRI OCTYL BORATE is available in 40 Kgs HDPE Carboy or 180 Kgs HDPE barrel.