PRESENTATION

The dispersion of boron nitride is made up of hexagonal boron nitride dispersed in a high quality stable mineral oil.

The dispersion is mainly used as an additive in lubricants as it can significantly reduce friction and wear. It particularly increases the service life of components thanks to the formation of a protective coating against wear.

During the friction cycle, it allows the friction coefficient to be stabilized. The roughest surfaces are covered and constant lubrication reduces wear.

Furthermore, the dispersion forms a thermal bridge and increases the lubricant's thermal conductivity. The dispersion is stable up to 900°C in air and 2000°C in a neutral atmosphere or vacuum environment.

Properties:

- Excellent lubrication and sliding properties thanks to the finely dispersed boron nitride powder,
- Very good lubricating properties at low and high temperatures,
- Excellent wetting ability,
- High resistance to pressure.

Fields of application:

- Additive for the lubricants used for engines, mechanical gearboxes, compressors, pumps and mechanical systems,
- Additive for the lubrication used in processing metals, e.g. grinding, stamping or forming,
- Additive for the lubrication of conveyors and chain drives,
- Heat transfer fluid.

Technical characteristics:

	BN OD 10	BN OD 30
Color	Beige	Beige
Solids content (BN)	10%	30%
Density at 25°C	0.91 g/cm^3 approx.	1.06 g/cm^3 approx.
Thermal conductivity	0.18 – 0.19 W/m.K* approx.	N.D.
Flash point	220°C	220°C

*For engine oil without boron nitride, the thermal conductivity is between 0.12 and 0.14 W/m.K.

Storage:

- Store the product in a cool and dry place.
- Only store unopened products in their original packaging.

Chemical stability:

The dispersion is stable and does not break down.

Packaging:

- Metal box 1 kg
- Metal bucket 12 kg
- Steel drum 200 kg

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