
Lotos MEC 552

High Lubricity MECuble Oil

Application

Lotos MEC 552 is a high lubricity emulsifiable oil designed for a wide range of metal cutting and grinding operations on ferrous and non-ferrous metals.

Lotos MEC 552 contains no active sulfur. Lotos MEC 552 is formulated with proven bactericides to minimize unpleasant odors and dermatitis common to ordinary MECuble oils.

Lotos MEC 552 can be used in most machining operations on titanium and aluminum alloys, as well as on ferrous metals. Lotos MEC 552 leaves a thin residual film which provides in-process protection against corrosion.

Lotos MEC 552 is also an excellent grinding compound. The detergent action of Lotos MEC 552 flushes away chips, minimizing wheel loading and burnishing.

Data(Typical Values)

Appearance	Amber Liquid
Specific Gravity	0.95
pH @ 5%	9.7
Refractometer Factor	0.92

Advantages

- ✚ Excellent lubricity properties.
- ✚ Improved finish and accuracy of cuts.
- ✚ Extended tool life.
- ✚ High storage and usage stability.
- ✚ Good corrosion protection.
- ✚ Low foaming characteristics.
- ✚ Non-staining to most yellow metals.
- ✚ Sulfur-free

Lotos MEC 552 is recommended for use at the following concentrations, depending on the severity of the operation:

Steel machining: 12:1 to 20:1

Aluminum machining: 18:1 to 25:1

Steel grinding: 18:1 to 30:1

The concentration of Lotos MEC 552 can easily be determined by using a refractometer.

Consult the MSDS for additional information. Additional advice can also be obtained from your local Lotoschem representative.