

MAYSOL HOSS

MAYSOL HOSS is a premium high oil content semi-synthetic super concentrate for machining and grinding of ferrous and non-ferrous alloys. It is ideally suited for manufacturing operations that want a single fluid to machine a variety of metals.

MAYSOL HOSS, as received, is to be added to water at a 50/50 ratio. Never in reverse; adding water to the product. After this initial water let-back, it can be further reduced at your customer's site to the desired final concentration – typically, grinding (3-5%), and machining (4-8%)

Advantages and Benefits

- Versatile fluid suitable for a wide range of applications on multiple metals
- Non-chlorinated Extreme Pressure lubrication extends tool life and improves finishes
- Exhibits almost 50% higher buffer property compared to other semi-synthetics; i.e. better pH stability
- Excellent rust protection down to 2%
- No included defoamers; possess relatively low foam property

Typical Properties

Property	Result
Appearance of super concentrate	Bright and Clear; Amber
Appearance of 50/50 water let-back	Bright and Clear
Appearance of 5% emulsion of 50/50 let-back	Transparent to Translucent
Specific Gravity (60/60F)	0.96
pH of 5% dilution	9.4
Total Acid Value (mgKOH/g)	39
Total Alkalinity (mgHCL/g)	16

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use. (050516)

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PERFORMANCE



Final dilutions in 300ppm water

TORQUE TAPPING TEST

Product	% Efficiency
MAYSOL HOSS	+16 %
Premium Grade Semi-synthetic	100 %

4-BALL WEAR TEST (3% emulsions)

Product	4-Ball Scar Diameter
MAYSOL HOSS	0.39 mm
Premium Grade Semi-synthetic	0.51 mm

STORAGE

To avoid product deterioration, always keep the container tightly sealed. Prevent any frost and water ingress. Store in a cool and dry place away from direct sunlight. It is preferable to store the product indoors.

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