

MCM Semi Synthetic Coolant Series

Biostatic Micro Emulsion Metal Working Coolant

DESCRIPTION

MCM Semi Synthetic Coolant Series is a unique combination of lubricity additives, rust preventive chemicals, wetting agent and sand boundary lubricants resulting in a truly biostatic metal working coolant.

Biostatic fluids provide only minimal nutrient sources for microbial growth. The result is greatly extended sump life with virtual elimination of biocides and other tank side additives.

Contains exceptional lubricity properties making it an ideal choice for use with steel, stainless and aluminum alloys in operations of moderate to high severity.

The series are MCM CUTOIL-276, MCM CUTOIL-278, MCM CUTOIL-279 and MCM CUTOIL-280

ADVANTAGES

- Contains extreme pressure additive
- Greatly extended sump life with virtual elimination of additives
- Excellent cooling and lubricating properties for ferrous metals
- Dimensional accuracy and in-process rust protection
- High operator acceptance; reduces incidences of dermatitis, skin and eye irritation

TYPICAL PROPERTIES

Data (typical value)				
Parameter	MCM CUTOIL-276	MCM CUTOIL-278	MCM CUTOIL-279	MCM CUTOIL-280
Appearance	Light Yellow Liq.	Light Yellow Liq.	Light Yellow Liq.	Light Yellow Liq.
Odor	Apple like	Apple like	Apple like	specific
Viscosity (@ 25 C - cps)	50 – 150	50 – 150	50 – 150	> 100
pH (5% soln)	8.5 – 9.8	8.5 – 9.8	8.5 – 9.8	8.5 – 9.8
Density (kg/l)	0.95 – 1.05	0.95 – 1.05	0.95 – 1.05	0.90 – 1.00
Residual Film	Non tacky	Non tacky	Non tacky	Non tacky

APPLICATION

MCM CUTOIL-276, is a general semi synthetic coolant. It is recommended for machining with light to moderate operation on ferrous and non ferrous metal

MCMCUTOIL-278, recommended for moderate operation on ferrous and non ferrous, with longest corrosion inhibitor performance compared to MCM CUTOIL-276.

MCM CUTOIL-279, recommended for moderate to heavy duty operation on ferrous and non ferrous metals, with adequate extreme pressure.

MCM CUTOIL-280, recommended for machining with aluminum metal parts and ferrous alloy. MCM CUTOIL-280 should not be used in machining cast iron.

HOW TO USE

Dilutions ratios of **MCM Semi Synthetic Series** will vary depending on the severity of the operation involved. A guideline for concentrations is 5% through 10% for machining with 6% being an excellent, average starting point. Optimal bio-resistance and longevity are attained when the product is charged in to a clean machine and the concentration maintained at 5% minimum.

The concentration can easily be determined by using a refractometer.

PACKAGING

MCM Semi Synthetic Coolant Series are available in 200liters/stainless steel drum and 1000 liters/tote.