



Product Bulletin

AEROSYNTH B

Aerosynth B is a heavy-duty semi-synthetic machining and grinding fluid with excellent extreme pressure lubrication. Aerosynth B is a unique heavy-duty coolant containing a unique blend of water soluble additives, which provide lubricity for the toughest machining operations including sawing, turning and pipe threading yielding long tool life, excellent finishes, and exceptional performance. Aerosynth B is capable of machining all types of metal alloys and finds uses in a variety of metalworking processes. Aerosynth B provides highly effective rust protection of machined parts at concentrations as low as 5% by volume along with the ultimate cooling power of water. Aerosynth B will also provide superior resistance to microbial problems when compared with traditional emulsifiable metalworking fluids and competitive semi-synthetic products. Aerosynth B's clear microemulsion allows for a clear view of the work and clean machines.

Features and Benefits

- Excellent lubricity for demanding operations
- Non foaming for maximum cooling in highly turbulent systems
- Rejects tramp oil for long life and easy waste treatment
- Rust preventive film is dry, invisible, and water washable
- Contains no phenols, nitrites or heavy metals
- Settles fines quickly to keep machines and work piece clean
- Low pH minimizes hazard for workers handling parts
- Contains biocide and fungicide to reduce odors, prolong sump life and protect against fungal growth
- Dilutes clear for work visibility
- High performance, economical product

Typical Properties

| | |
|---------------------|-------------------|
| Appearance | Hazy Amber liquid |
| Bulk Density | 7.9 lbs/gal |
| Specific Gravity | 0.952 @ 70°F |
| pH (@ 5% by volume) | 9.0-9.5 |
| Flash Point | > 212 F |

Application Procedure

Aerosynth B should be used between 5 and 10 % by volume in central systems or individual sumps depending on lubricity required. Systems should thoroughly cleaned and sanitized prior to charging. The concentration can be determined by refractometer using a factor of 5.0 or by titration with mild acid.

Consult Material Safety Data Sheet for a full description of proper handling procedures.