



Product Bulletin

AEROSYNTH

Aerosynth is a premium heavy-duty semi-synthetic machining and grinding fluid with excellent extreme pressure lubrication. Aerosynth is a unique heavy-duty coolant containing a 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 is capable of machining all types of metal alloys and finds uses in a variety of metalworking processes. Aerosynth 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 will also provide superior resistance to microbial problems when compared with traditional emulsifiable metalworking fluids and competitive semi-synthetic products. Aerosynth's translucent 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

Typical Properties

Appearance	Amber liquid
Bulk Density	7.69 lbs/gal
Specific Gravity	0.921 @ 70°F
pH (@ 5% by volume)	8.9-9.5
Flash Point	> 212 F

* additional performance data available.

Application Procedure

Aerosynth 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.