



## Product Bulletin

# AEROSYNTH P

Aerosynth P is a heavy-duty synthetic machining fluid with excellent extreme pressure lubrication. Aerosynth P is a heavy-duty coolant containing a unique blend of water soluble lubricity, anti-wear, and EP additives, which will work for the toughest machining operations including grinding and high speed yielding long tool life, excellent finishes, and exceptional performance. The non-Chlorine and non-Sulfur formulation of Aerosynth P is capable of machining all types of ferrous and aluminum metal alloys and finds uses in a variety of metalworking processes, while providing for worker comfort and ease of disposal or reclamation. Aerosynth P 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 P will also provide resistance to microbial problems. Aerosynth P's clear solution 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
- Rust preventive film is dry, invisible, and water washable
- Contains no phenols, nitrites, heavy metals, chlorine or sulfur
- 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
- Rejects tramp oil
- High performance, economical product
- Chlorine and Sulfur free formulation

### Typical Properties

Appearance	Hazy Amber liquid
Bulk Density	8.7 lbs/gal
Specific Gravity	1.041 @ 70°F
pH	9.0
Flash Point	> 212 F

### Application Procedure

Aerosynth P should be used between 5 and 20 % 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 –

1.5 @ 20 to 1

3 @ 10 to 1

5.5 @ 5 to 1

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