

## AEROCOOL B 787

### SEMI-SYNTHETIC CUTTING AND GRINDING FLUID

#### Description

AeroCool B 787 is a high performance machining fluid specifically designed for aluminum machining applications. It has Generation 3 bio resistance technology and class-leading biostability. The product generates very little foam, leaves virtually no residue, and provides excellent corrosion protection. AeroCool B 787 contains no chlorine and no sulfur yet provides superior lubricity due to its heavy-duty oil package and boundary film lubrication package. AeroCool B 787 has a very stable emulsion. It is resistant to ionic shock and hard water. It can be used in all aluminum machining applications and difficult steel applications. AeroCool B 787 is clean running with high detergency characteristics. It is very worker friendly and has a pleasant odor.

#### Features & Benefits

- Extended Tool Life
- Prevents Welding of Work Metal on Tool
- Non-Hazardous / Operator Friendly
- Bio, Myco, and Fungal Resistant
- Superior High and Low Temperature Stability
- Low Foaming, Hard Water Stable
- Excellent Rust Protection
- Sulfur and Chlorine free

#### Recommended Concentrations

Operation	Dilution	Concentration
Grinding	20 to 1	4-6 %
Finish Turning	20 to 1	4-6 %
Rough Turning	10 or 20 to 1	5-10%
Drilling	10 or 20 to 1	5-10%
Milling	10 or 20 to 1	5-10%
General Machining	20 to 1	4-6 %

#### Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

#### Physical Data

Appearance	Gold, hazy, viscous liquid
Odor	Bland
Specific Gravity	1.09 g/mL
pH (20:1 dilution)	9.3
Flash Point	None
Effects of Freeze-Thaw cycle	Stable
Sulfur, Chlorine, Phosphorous, DEA, PCB's, mercury, phenol, nitrites, triazines	None
Refractive Index	1.18

#### Refractive Index Monitoring (1.18X multiplier)

Percent	Ratio	Refractometer Reading
5	19 to 1	4.2
10	9 to 1	8.5
15	6 to 1	12.7
20	4 to 1	17

#### Toxicity & Handling Precautions

AeroCool B 787 is safe to handle in concentrated or diluted form. Exercise care consistent with good industrial practices. Adhere to prevailing OSHA safety regulations, guidelines and/or procedures for this class of product. Refer to AeroCool B 787 Material Safety Data Sheet for additional information. MSDS can be requested by email to [info@precisionfluids.com](mailto:info@precisionfluids.com).

**Precision Fluids • 11850 Tanner Road • Houston, TX 77041**

**Phone: 713-896-0606 • Fax: 713-896-0610 • [www.precisionfluids.com](http://www.precisionfluids.com)**