

Global Manufacturer of Metalworking Fluids, Industrial Lubricants & Cleaners

ArrowCool

Soluble Oil, Micro-Emulsion, Semi-Synthetic & Synthetic Coolants

Visit www.chemarrow.com to learn more about our full line of metalworking fluids & to read case studies from actual customers.

Chem Arrow's comprehensive range of ArrowCool water based coolants is available in soluble oil, micro-emulsion, semi-synthetic, and synthetic concentrates. These products cover the entire range of cutting and grinding applications found in modern industry.

Chem Arrow has been serving the global metalworking industry's requirements for over 48 years. We strive to advance our technology to a level of "cutting edge perfection".

The ArrowCool range offers superior wetting, cooling and friction reducing properties. These characteristics, coupled with excellent operator acceptance, extended sump life, and low foam, help maximize production rates, accuracy of the finished part and provide the highest rate of return on your coolant investment.

-  Extended sump life
-  Low foam
-  Multi-metal compatible
-  Maximize production rates
-  Superior wetting, cooling & friction reduction
-  AQMD super compliant



CHEM ARROW CORP
 Irwindale, CA USA
 Tel: +1-626-358-2255
sales@chemarrow.com

MOTULTECH
 Aubervilliers, France
 Tel: +33 1 48 11 70 00
www.motultech.com

CHEM ARROW EUROPE
 Bentley, Surrey UK
 Tel +44 (0) 1420-383035
sales@chemarroweurope.com

BARALDI S.R.L.
 Bologna, Italy
 Tel: +39 051 946994
www.baraldi.com

CHEM ARROW CANADA
 Hamilton, ON Canada
 Tel: +1-905-332-0216
salescanada@chemarrow.com

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ArrowCool Coolant Products

| PRODUCT NAME | DESCRIPTION | COLOR (SOLUTION) | pH (CONC) | REFRACTIVE FACTOR | MATERIAL | RECOMMENDED DILUTION |
|-----------------------------|---|------------------|------------|-------------------|--|---|
| SOLUBLE OILS | | | | | | |
| ArrowCool SOL-827 | Micro-emulsion, soluble oil that runs like a semi. Multi-metal compatible. Developed for heavy duty machining and grinding of all ferrous and non-ferrous metals. Chlorine, sulphur and halogen free. <i>AQMD super compliant.</i> | Off White | 10 ± 0.5 | 1.09 | Ferrous Non-ferrous | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| ArrowCool SOL-827-HM | Designed to be extremely hard water tolerant. Multi-metal compatible. Runs extremely clean in hard water with a low foam profile. Chlorine, sulphur and halogen free. <i>AQMD super compliant.</i> | Off White | 10 ± 0.5 | 1.1 | Ferrous Non-ferrous | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| ArrowCool SOL-829 | Highest lubricity package for the most demanding applications. Multi-metal compatible. Runs extremely clean with a low foam profile. <i>AQMD super compliant.</i> | Off White | 10 ± 0.5 | 1.0 | Ferrous Non-ferrous | Light duty 3-5% Moderate duty 5-7% Heavy duty 7-10% Very heavy duty 10+% |
| ArrowCool SOL-800-M | General purpose (economy) oil for both ferrous & non-ferrous metals. Mixes easily and produces a stable emulsion. <i>AQMD super compliant.</i> | Off White | 10.5 ± 1 | 1.0 | Ferrous Non-ferrous | Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10% |
| MICRO-EMULSIONS | | | | | | |
| ArrowCool ME-347 | Performs extremely well on multi-metal applications. Machine tool friendly with low foaming properties. Perfect choice for facilities attempting to find one product for the entire plant. <i>AQMD super compliant.</i> | Off White | 10 ± 0.2 | 1.5 | Ferrous Non-ferrous | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| ArrowCool ME-347-HM | Designed to be extremely hard water tolerant. High performance micro-emulsion product for multi-metal applications. Perfect choice for facilities attempting to find one product for the entire plant in areas of harder water. <i>AQMD super compliant.</i> | Off White | 9.5 ± 0.3 | 1.4 | Ferrous Non-ferrous | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| SEMI-SYNTHETICS | | | | | | |
| ArrowCool SEM-917-B | Light/medium duty. Designed to run on a wide variety of machine tools and applications including milling, drilling, turning and grinding of ferrous metals and cast iron. <i>AQMD super compliant.</i> | Blue | 10.5 ± 0.5 | 2.96 | Ferrous Cast iron | Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10% |
| ArrowCool SEM-927 | State of the art, bio-static semi-synthetic coolant. Multi-metal compatible. Designed to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. <i>AQMD super compliant.</i> | Off White | 10 ± 0.5 | 1.6 | Ferrous Non-ferrous Cast iron Cu, Al | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| ArrowCool SEM-929 | Exceptionally clean running semi-synthetic. Multi-metal compatible. Formulated to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Contains EP additives. <i>AQMD super compliant.</i> | Off White | 10 ± 0.2 | 1.85 | Ferrous Non-ferrous Cast iron Cu, Al | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10% |
| SYNTHETICS | | | | | | |
| ArrowCool SYN-705 | Transparent, synthetic coolant. Provides excellent rust inhibition & cooling properties. Well suited for general purpose, high speed machining & grinding of ferrous metals and cast iron. <i>AQMD super compliant.</i> | Blue | 10 ± 0.3 | 3.3 | Ferrous Cast iron | Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7.5% |
| ArrowCool SYN-710 | Synthetic cutting and grinding fluid. Superior tramp oil rejection, extremely clean running, low foaming -- allows for easy parts wash off. Excellent on all die cast aluminum machining operations. <i>AQMD super compliant.</i> | Blue | 9.5 ± 0.3 | 2.67 | Ferrous Non-ferrous Al Die cast parts | Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10% |
| ArrowCool SYN-722 | State of the art synthetic coolant provides excellent cooling, chip setting and tramp oil rejection. Runs clean. Ideal as a single, premium coolant for virtually all machining operations. <i>AQMD super compliant.</i> | Blue | 9.5 ± 0.3 | 1.59 | Ferrous Non-ferrous Cast iron Cu | Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10% |