

Global Manufacturer of Metalworking Fluids, Industrial Lubricants & Cleaners



# ArrowCool

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



Visit [www.chemarrow.com](http://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 35 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



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# ArrowCool Coolant Products

PRODUCT NAME	DESCRIPTION	COLOR (SOLUTION)	pH (CONC)	REFRACTIVE FACTOR	MATERIAL	RECOMMENDED DILUTION
<b>SOLUBLE OILS</b>						
<b>ArrowCool SOL-800-M</b>	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	1.24	Ferrous Non-ferrous	Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10%
<b>ArrowCool SOL-827</b>	High performance, multi-metal compatible. Developed for heavy duty machining and grinding of all common 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%
<b>ArrowCool SOL-827-HM</b>	High performance, multi-metal compatible. Developed for heavy duty machining and grinding of all common ferrous and non-ferrous metals. Extremely hard water tolerant. 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%
<b>ArrowCool SOL-827-AL</b>	High performance, multi-metal compatible. Specifically developed for customers machining sensitive aluminum alloys and aerospace materials. Chlorine, sulphur and halogen free. <i>AQMD super compliant.</i>	Off White	9.2 ± 0.3	1.05	Ferrous Non-ferrous	Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10%
<b>MICRO-EMULSIONS</b>						
<b>ArrowCool ME-347</b>	State of the art. 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%
<b>ArrowCool ME-347-HM</b>	High performance micro-emulsion product for multi-metal applications. Extremely hard water tolerant. 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%
<b>ArrowCool ME-347-AL</b>	High performance micro-emulsion product for multi-metal applications. Specifically developed for customers machining sensitive aluminum alloys and aerospace materials. <i>AQMD super compliant.</i>	Off White	8.8 ± 0.3	1.44	Ferrous Non-ferrous	Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7% Very heavy duty 7.5-10%
<b>SEMI-SYNTHETICS</b>						
<b>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>	Off White	10.5 ± 0.2	2.96	Ferrous Cast iron	Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10%
<b>ArrowCool SEM-917-HM</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. Extremely hard water tolerant. Chlorine, sulphur and halogen free. <i>AQMD super compliant.</i>	Off White	10.5 ± 0.3	2.89	Ferrous Cast iron	Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10%
<b>ArrowCool SEM-927</b>	State of the art, bio-static semi-synthetic coolant. 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 ± 0.2	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%
<b>ArrowCool SEM-927-HM</b>	High performance semi-synthetic designed to be extremely hard water tolerant. Formulated 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 ± 0.3	1.7	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%
<b>SYNTHETICS</b>						
<b>ArrowCool SYN-705</b>	Transparent, synthetic coolant. Provides excellent rust inhibition & cooling properties. Well suited for general purpose, high speed machining & grinding of ferrous metals & cast iron. <i>AQMD super compliant.</i>	Yellow	9.5 ± 0.3	3.69	Ferrous Cast iron	Light duty 3-5% Moderate duty 3-5% Heavy duty 5-7.5% Very heavy duty 7.5-10%
<b>ArrowCool SYN-710</b>	Synthetic cutting & 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>	Green	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%
<b>ArrowCool SYN-722</b>	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>	Green	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%
<b>ArrowCool SYN-730</b>	High lubricity, synthetic coolant which provides "down the hole" machining performance on all types of aluminum alloys. Runs very clean & has terrific tramp oil rejection. <i>AQMD super compliant.</i>	Green	9.5 ± 0.3	1.79	Ferrous Non-ferrous Al, Cu Cast Iron	Light duty 5-7% Moderate duty 5-7% Heavy duty 5-7% Very heavy duty 7-10%