

**Global Manufacturer of Metalworking Fluids, Industrial Lubricants & Cleaners**

# ArrowCool

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

Visit [www.chemarroweurope.com](http://www.chemarroweurope.com)  
to learn more about our full  
line of metalworking fluids,  
industrial lubricants & cleaners.

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
-  EU REACH Compliant

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# ArrowCool Coolant Products

PRODUCT NAME	DESCRIPTION	COLOUR (SOLUTION)	OPERATING pH	REFRACTIVE FACTOR	e4 TECH	MATERIAL	RECOMMENDED DILUTION
<b>SOLUBLE OILS</b>							
<b>ArrowCool SOL-835-H</b>	Very high performance, extremely clean running and multi-metal compatible. Specifically developed for customers machining sensitive aluminum alloys and aerospace materials.	Milky	8.9 - 9.3	1.0	✓	Ferrous Non-ferrous	Moderate duty 6-8% 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. Biocide free.	Off White	9.0 - 9.4	1.0		Ferrous Non-ferrous	General machining 6-8% Very heavy duty 8-10%
<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. Hard water tolerant. Biocide free.	Off White	9.0 - 9.4	1.1		Ferrous Non-ferrous	General machining 6-8% Very heavy duty 8-10%
<b>ArrowCool SOL-227-BF</b>	Boron free, high performance, multi-metal compatible. Specifically developed for customers machining aluminum alloys and harder alloys. Biocide free.	Off White	9.0 - 9.5	1.0		Ferrous Non-ferrous	General machining 6-8% Very heavy duty 8-10%
<b>MICRO-EMULSIONS</b>							
<b>ArrowCool ME-347</b>	High performance micro-emulsion product which performs extremely well on multi-metal applications. Machine tool friendly with low foaming properties. Perfect choice for facilities in areas of soft water. Biocide free.	Off White	9.0 - 9.4	1.4		Ferrous Non-ferrous	Light/Moderate duty 4-6% Heavy duty 6-8% Very heavy duty 8-10%
<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. Biocide free.	Off White	9.0 - 9.4	1.4		Ferrous Non-ferrous	Light/Moderate duty 4-6% Heavy duty 6-8% Very heavy duty 8-10%
<b>ArrowCool ME-355-H</b>	State of the art, very high performance micro-emulsion product for multi-metal applications. Specifically developed for customers machining sensitive aluminum alloys and aerospace materials.	Off White	8.8 - 9.1	1.3	✓	Ferrous Non-ferrous Cu	Light/Moderate duty 4-6% Heavy duty 6-8% Very heavy duty 8-10%
<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. Biocide free.	Off White	9.0 - 9.5	2.8		Ferrous Cast iron	Light duty 4-6% Moderate duty 6-8% Heavy duty 8-10%
<b>ArrowCool SEM-918</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 versatile and clean running. Biocide free.	Off White	8.9 - 9.4	2.9		Ferrous Cast iron	Light duty 4-6% Moderate duty 6-8% Heavy duty 8-10%
<b>ArrowCool SEM-918-BF</b>	Boron free 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 versatile and clean running. Biocide free.	Off White	9.0 - 9.6	2.5		Ferrous Cast iron	Light duty 4-6% Moderate duty 6-8% Heavy duty 8-10%
<b>ArrowCool SEM-935-H</b>	High performance semi-synthetic metal working fluid. Designed to run on a wide variety of machine tools and applications including milling, drilling, turning and grinding of ferrous metals and some non-ferrous materials.	Off White	9.0 - 9.4	1.6	✓	Ferrous Cast iron Cu, Al	Light duty 5-6% Moderate duty 6-8% Heavy duty 8-10%
<b>ArrowCool SEM-927</b>	Biostable semi-synthetic coolant. Designed to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Perfect choice for facilities in areas of soft water. Biocide free.	Off White	9.0 - 9.5	1.7		Ferrous Non-ferrous Cast iron	Light duty 4-5% Moderate duty 5-6% Heavy duty 6-8% Very heavy duty 8-10%
<b>ArrowCool SEM-928</b>	High performance multi-purpose semi-synthetic hard and soft water tolerant. Formulated to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Biocide free.	Off White	8.8 - 9.2	1.4		Ferrous Non-ferrous Cu, Al	Light duty 4-6% Moderate duty 6-8% Heavy duty 8-10%
<b>ArrowCool SEM-928-BF</b>	Boron free high performance multi-purpose semi-synthetic hard and soft water tolerant. Formulated to run on a wide variety of machine tools and applications such as milling, drilling, turning and grinding operations. Biocide free.	Off White	9.0 - 9.5	1.5		Ferrous Non-ferrous Cu, Al	Light duty 4-6% Moderate duty 6-8% Heavy duty 8-10%
<b>SYNTHETICS</b>							
<b>ArrowCool SYN-E710</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.	Green	8.8 - 9.1	2.47		Ferrous Non-ferrous Al Die cast parts	Light/Moderate duty 4-6% Heavy duty 6-8% Very heavy duty 8-10%
<b>ArrowCool SYN-E722</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.	Green	8.8 - 9.1	1.78		Ferrous Non-ferrous Cast iron Cu	Light/Moderate duty 4-6% Heavy duty 6-8% Very heavy duty 8-10%