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### **MINIMAL FOAM BUT MAXIMUM RETURN ON INVESTMENT**

The chemistry of semi synthetic cutting and grinding fluids makes minimal foaming difficult to achieve. However, not only has Master Chemical Europe cracked this problem with the introduction of its new TRIM® SC415 and SC617 but also these products promise users significant cost savings and other benefits too.

These latest semi-synthetic coolants were developed in the UK for the European market at the request of customers. Their unique formulation ensures low levels of foam not generally seen with other fluids of their type, especially in soft water areas. They are also extremely hard water tolerant. These are versatile products that work well in a wide range of operations such as grinding, milling, turning, drilling and tapping.

TRIM® SC617 additionally contains a traditional extreme pressure (EP) additive that boosts cutting performance for difficult-to-machine materials. For example, it is highly effective in turning stainless steel and other hard steels. The low foam profile of this product enables its effective use in through tool machining applications.

Low consumption is another main benefit of TRIM® SC415 and SC617. Typically instead of topping up with a 1 - 2% dilution to achieve a 5% concentration, .5% of the new semi synthetics is required. Indeed when trialled in a 50,000 litre central system consumption of TRIM® SC415, by comparison with the previous semi-synthetic, dropped by an impressive 50%.

A similar example was confirmed by a company grinding rotors at high pressure and with soft water. This combination of factors meant there was a constant need for additions of anti-foam but TRIM® SC415 clearly demonstrated that it did not require this costly additive.

Both of the new semi-synthetics are extremely good for cast iron and steel machining and grinding. The clean running formulation of these Master Chemical introductions prevents the build up of graphite residue that is commonly seen on machines working cast iron. They also coat the work piece and chips for superior corrosion protection.

-ENDS-

**About Master Chemical Corporation:** Master Chemical Corporation was founded on November 13, 1951. Since then, working closely with the worldwide metalworking community, Master Chemical Corporation has developed and marketed a full line of specialty cutting and grinding fluids, cutting oils, concentrated washing and cleaning compounds, and rust preventives all under the TRIM® brand trademark. These products are both environmentally sound and when used in conjunction with Master Chemical's XYBEX® Coolant Recycling and Filtration Systems, are the most durable and stable products available anywhere today. Master Chemical has always been committed to the safety of the people who use our products, the protection of our planet, the environment we live in, and the overall impact on our customers' profitability. Master Chemical serves customers globally. For further information please contact a local distributor near you <http://www.2trim.us/distributors.php>, call us at (44) + (0) 1449 726800, or visit our website at [www.masterchemical.com](http://www.masterchemical.com)

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