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VEGETABLE ESTER BASED CUTTING OIL WORKS WELL UNDER PRESSURE

Standard metal cutting and grinding oils that easily mist are particularly problematical for modern lathes and turning centres with high performance chip breaker units. The high pressure with which the oil is delivered to the point of cut can present health and safety issues and also compromise process economy as a good proportion of the fluid is lost to the production environment.

The TRIM® TEC™ OE322NS vegetable ester based cutting oil from Master Chemical Europe eliminates both. This is a heavy duty, neat oil suitable for all materials but in particular, high-strength and stainless steels and cast metals. It has an excellent extreme-pressure additive package for efficient metal removal and, thanks to its high lubricity ester base, it ensures exceptional tool life.

Free from chlorine, active sulphur, polycyclic aromatics and strong odours, this addition to the TRIM® range is highly operator friendly. And this benefit is enhanced by very low or no mist even at high pressures. Fire risk is also low thanks to the oil's very high flash point and unlike other renewable alternatives TRIM® TEC™ OE322NS provides excellent oxidation stability.

Minimal misting also makes a big contribution to lower costs. European manufacturers that trialled this product confirmed volume reductions of as much as 25% by comparison with standard high misting mineral oil products. They also reported improved machining performance thanks to the product's high lubricity characteristics.

Master Chemical's Technical Director Peter Blenkinsop headed the Needham Market-based team that developed this product specifically for the European market. He added: "This is the best product for the manufacture of small precision parts made from brass, steel or stainless steel and copper containing alloys. And it is now widely proven for use in machines such as those made by Citizen, Nakamura and Tornos."

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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

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