



Mobil Machine Tool Long Life Coolant Data Sheet

Defence

Properties

Mobil Machine Tool Long Life Coolant is a predetermined mixture of corrosion inhibiting fluid and de-ionised water, formulated to provide high corrosion resistance with accurate strength control. This combined packaged ensures a high level of compatibility with all gaskets and hoses normally associated with engine cooling systems for military use according to DEF STAN 68-127.. The high thermal capacity and heat transfer capability ensure that engines operate within temperature limits.

The Ready Mixed Formulation is based on mono ethylene glycol coolant with carboxylic acid inhibitor technology. Free from nitrites, amines, phosphates, borates and silicates. Formulated in accordance with the UK military specification for engine coolant DEF STAN 68-127 (NATO Code S757). Provides long lasting corrosion protection for a minimum of four years. Excellent hard water stability. Very low inhibitor depletion rates.

Applications

Mobil Machine Tool Long Life Coolant is a pre-mixed, ready for use product, providing low temperature protection down to -38°C, ensuring free circulation of the cooling system if the equipment is subjected to temperature extremes.

DEF STAN 68 – 127 (NATO Code S757)

Please note: The product is a pre-diluted formulation however; further dilution might be required depending on the specific application / machinery. Please check and refer to machine usage instructions for optimum dilution rates.

Specifications

Mobil Machine Tool Long Life Coolant meets or exceeds the requirements of the following industry specifications:

DEF STAN 68 – 127 (NATO Code S757)

Typical Properties

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Color	Blue
Freezing Point	-38 °C
Density at 20°C	1.075 g/cm3
pH value	7.6

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Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Health & Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office or via the Internet, or will be provided by seller to customers if and as legally required. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

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