

# Product Data Sheet

## Machine Tool Long Life Coolant

Pre-mixed Corrosion Inhibited Coolant for Spindle Circulation Systems (Ready for use)

### Product Description

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 package ensures a high level of protection for machine tool spindle cooling systems.

### Benefits

Mobil Machine Tool Long Life Coolant offers the following benefits:

- Suitable for use in cast iron and aluminium machinery
- Compatible with all gaskets and hoses normally associated with spindle cooling systems
- Boron & silicate free
- High thermal capacity and heat transfer capability ensure that machines operate within temperature limits thus maintaining dimensional stability and minimising machine wear
- Machine Tool Long Life Coolant is formulated to be used as supplied, thus facilitating system filling and reducing the risk of human error and ensuring the required performance
- Special inhibitors offer the greatest all round protection against rust and corrosion even in sensitive systems. They prevent the formation of deposits during periods of continuous usage (up to the maximum drain interval recommended by the equipment builder), and so help prevent filter blockage

### Applications

Mobil Machine Tool Long Life Coolant is a pre-mixed, ready for use, product providing low temperature protection, down to -16°C, ensuring free circulation of the cooling system if the equipment is subjected to temperature extremes.

Mobil Machine Tool Long Life Coolant is a combination of carefully balanced corrosion inhibitors. Mixing with different products can lead to loss of protection and is therefore not recommended.

### Properties

Mobil Machine Tool Long Life Coolant is formulated to provide protection for machinery of cast iron and aluminium construction. It has a built in alkalinity reserve to ensure that corrosion protection is given for long periods even where there is contamination by acidic compounds during service.

British Standard BS 5117: 1985 describes methods for testing the corrosion inhibition performance of Mobil Machine Tool Long Life Coolant.

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Esso Petroleum Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

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### Mobil Machine Tool Long Life Coolant

Colour	Blue
Relative Density at 15°C	1.035
pH	7.5

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Due to continual product research and development, the information contained herein is subject to change without notice

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