

# Product Data Sheet

## Mobilmet 420 Series Premium Anti-Mist Straight Cutting Oils (Non Corrosive to Copper)

### Product Description

Mobilmet 420 Series products are light coloured multi-service chlorine free straight cutting oils which are non corrosive to copper. They are formulated from solvent refined mineral oils and extreme pressure additives in addition to the Mobil anti-mist additive package.

Mobilmet 420 Series products are dual purpose lubricants being suitable for use as machine tool lubricants and as hydraulic oils.

### Benefits

Mobilmet 420 Series products offer the following benefits:

- Light coloured products allowing operators an excellent view of their work
- Reduced costs through improved tool life
- Increased production rates from improvements in surface finish and dimensional accuracy
- Reduced downtime for tool changes and wheel dressing
- Wide range machining capability allows product rationalisation in the machine shop
- As multi-service oils they can be used for machine tool lubrication and in non critical hydraulic systems
- No staining on machine slideways fixtures or finished components
- Chlorine free to minimise disposal problems
- Contains Mobil anti-mist additive package to improve the workshop environment

### Application

The Mobilmet 420 Series are excellent multi-purpose products which are recommended for a wide range of light to moderate duty operations on a wide variety of metals. They can also be used as machine tool lubricants where cross contamination of the cutting oil is a problem, and in all non-critical hydraulic systems.

The optimum product for any machining operation / work-piece material combination should be selected on viscosity, additive type and content.

Mobilmet 427 is recommended for the more difficult to machine materials or for higher rates of metal removal.

## Health and Safety

Based on available toxicological information, it has been determined that these products pose 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 Mobil Oil 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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	<b>Mobilmet 424</b>	<b>Mobilmet 427</b>
Viscosity, cSt at 40°C	22.0	43.0
Viscosity, cSt at 100°C	4.6	7.0
Flash Point, COC °C min.	176	212
Anti-Mist Additive	Yes	Yes
Sulphur % wt (added)	0.2 max.	0.2 max.
Copper Strip Corrosion Test, 3 hrs at 100°C	Class 1B max.	Class 1B max.

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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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**Mobil Oil Company Limited**  
**Acting as Agent for Mobil Lubricants UK Limited**  
**ExxonMobil House, Ermyn Way**  
**Leatherhead, Surrey, KT22 8UX**  
**Telephone: 01372 22 2000**

