

# Product Data Sheet

**Cutrex 745**  
Premium Anti-Mist Straight Cutting Oil  
(Copper Corrosive)

## Product Description

Cutrex 745 is a premium quality light coloured anti-mist straight cutting oil manufactured from high quality solvent refined oils. It contains a unique, Mobil patented, catalyst additive in addition to chlorinated and sulphurised extreme pressure additives together with a Mobil anti-mist additive package.

## Benefits

Cutrex 745 offers the following benefits:

- Light coloured product allowing operators an excellent view of their work
- Suitable for use on a wide range of metals and machining operations
- Unique Mobil additive enhances machining performance particularly in heavy duty operations
- High level of machining performance reduces production costs
- Increased production resulting from improvement in tool life and a reduction in downtime for tool changes
- Wide range machining capability reduces product inventories
- Improved surface finish and dimensional accuracy results in fewer rejects
- The high extreme pressure content of the product allows cutting speeds and feeds to be maximised
- No staining of ferrous slideway parts or fixtures
- Anti-mist additive reduces misting and oil usage in high speed operations giving a clean and pleasant working environment

## Application

Cutrex 745 is an excellent multi purpose anti-mist heavy duty straight cutting oil with a wide application range.

It is recommended for all heavy duty machining operations including gear cutting, tapping, pressing, broaching on difficult to machine materials. It can also be used to increase production rates on high speed but less severe operations.

The optimum product for any machining operation / workpiece material combination should be selected on viscosity and additive type of content.

The additive activity of Cutrex 745 is determined by the severity of the cutting operation, this reduces the incidence of staining often encountered with other corrosive \* sulphurised straight cutting oils.

\* Warning This product being corrosive to copper will stain yellow metals including brass, copper, etc., with prolonged contact at elevated temperatures.

## 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 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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### Cutrex 745

Viscosity, cSt at 40°C	31.0
Flash Point, °C COC min.	180
Copper Strip Corrosion Test 3 hrs at 100°C	Class 4 min.

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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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