

Product Description

Cutrex 6734 is a transparent light coloured straight cutting oil made from solvent refined mineral oil containing fatty and chlorinated additive materials, together with mist suppressing additives.

Benefits

Cutrex 6734 offers the following benefits:

- Good surface finish and dimensional accuracy
- Gives a clear view of workpiece and machining operation
- Suitable for wide range of ferrous and non-ferrous materials
- Can be used as triple purpose oil where cross leakage occurs between hydraulic system, lubrication system and cutting oil
- Long tool and grinding wheel life thus reducing downtime and increasing production
- Healthy oil free working conditions for machine operators
- Reduction in hazards due to plant and building contamination by oil mist
- Reduced building cleaning and maintenance

Application

Cutrex 6734 is recommended for machining operations on ferrous and non-ferrous metals up to a hardness of about 200 Brinell - and for light duty operations up to about 300 Brinell. It caters for most applications except those where difficult to machine materials are involved in critical operations and applications such as deep hole drilling, where a lower viscosity oil is required to wash swarf and debris away from the cutting edge.

Cutrex 6734 is effective for both ductile and brittle metals over a wide range of tensile strength and hardness resulting in a wide variation in cutting pressures and temperatures. It will give better tool life, surface finish, dimensional accuracy and non-staining characteristics. Its light brown/amber transparency assists in the setting up of intricate tooling arrangements or complex form grinding wheel profiles, and the non-corrosive quality enables it to be used as a triple purpose product.

Cutrex 6734 can be used in machine tools where there is a cross leakage between the cutting fluid, the hydraulic system and the lubrication arrangements for the headstock and/or apron gearboxes. In these cases it can be used for all applications as a triple purpose product.

Cutrex 6734 has special characteristics which reduce oil misting. The oil particles coalesce into large drops which condense and return to the machine sump. The anti-mist properties reduce eye and skin irritation problems and prevent the formation of oily films on shop floors, walls, ceilings and machine surfaces. These oily films can hold dirt, cause a fire hazard and clog the pores of sound deadening material.

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

Cutrex 6734

Relative Density 15/4 °C	0.88
Viscosity, cSt at 40°C	30
Flash Point, COC °C	210
Colour - ASTM	2.0 max.

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

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