



Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Metacut Ultra MD12

High Performance Low Viscosity Chlorine Free Neat Cutting Oil
Product Code: AG6

Product Description

Pennine Metacut Ultra MD12 is a low viscosity, pale coloured, low odour, high performance multipurpose neat cutting oil specifically designed for use in modern high speed sliding head CNC lathes and multi-spindle machines including those employing high pressure coolant delivery systems. Manufactured from highly refined virgin mineral oil, the product incorporates non-staining chlorine free extreme pressure additives, lubricity agents, anti-oxidant and anti-mist additives making the product suitable for the rigorous demands of modern machining techniques.

Applications

Metacut Ultra MD12 is suitable for a wide range of machining operations on high tensile steels, stainless steel, aluminium and its alloys and yellow metals where a low viscosity product offering excellent oil penetration is required. The light colour and anti-misting properties offer the user excellent work piece visibility along with an improved working environment and the anti-oxidant package eliminates sticky residues and lacquers forming even when employed under 24 hour "lights out" operations.

Features & Benefits

- | | | |
|--------------------------------------|---|---------------------------------|
| • Pale coloured | ~ | Excellent work piece visibility |
| • Low Viscosity | ~ | Improved oil penetration |
| • Excellent lubricity | ~ | Promotes improved tool life |
| • Highly effective anti mist package | ~ | Improved working environment |
| • Outstanding oxidation resistance | ~ | Eliminates lacquers & residues |
| • Low odour | ~ | Improved operator acceptability |
| • Chlorine free | ~ | Reduced disposal costs |

Typical Test Data

Density @ 15°C	0.87
K.V. @ 40°C (cSt)	12.0
Flash Point (°C)	170

Availability

Pennine Metacut Ultra MD12 is available in bulk, 1000 litre IBC's, 205 litre barrels and 25 litre drums.

Storage, Health & Safety

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open. Please refer to the relevant Health and Safety Data Sheet, a copy of which is freely available to all our customers.

Data represented is typical of that obtained with normal production tolerances and does not constitute a specification. The policy of Pennine Lubricants is one of continual improvement; we therefore reserve the right to change specifications without notice.



Certificate Number: 9480
ISO 9001



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