



Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



Agricultural
Lubricants



Cleaning &
Maintenance



Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Metacut EP

Extreme Pressure Soluble Metalworking Fluid
Product Code: AGG

Product Description

Pennine Metacut EP is a modern, high oil content, very heavy duty, extreme pressure cutting fluid. Based on premium quality highly refined mineral oils incorporating an effective combination of biocides and fungicides, giving a bacteria free emulsion, this product is nitrite and phenol free keeping health and safety problems to an absolute minimum. Metacut EP contains effective surface active extreme pressure and lubricity additives giving exceptional tool life and surface finish.

Applications

Metacut EP is designed for use on severe operations and difficult to cut metals and may even be used to replace neat cutting oils in certain applications. It is suitable for use with all steels and non-ferrous metals including aluminium and its alloys and yellow metals.

Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Dark Brown
Appearance (emulsion)	Milky White
Specific Gravity @ 15°C	0.91
pH @ 5%	9.2
IP 287 Breakpoint Corrosion	5.0 %
IP 125 Herbert Corrosion Test	2.5%
Dilution Range (min ~ max)	5 ~ 10 %
Refractometer Conversion Factor	1.02
Water Hardness Range ppm CaCO ₃ (min ~ max)	50 ~ 400

Actual dilution rates may vary depending on application. Please consult with Technical Services to determine the most suitable dilution for your application.



Certificate Number: 9480
ISO 9001

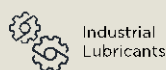


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Coolant Care

To promote maximum service life, it is strongly advised that coolant systems are thoroughly sterilised with Bioflush System Cleaner prior to coolant changes (see Bioflush Technical Data Sheet for further information and guidelines).

To maintain the efficiency of the coolant, daily checks for concentration with a hand refractometer is recommended. Maintaining a consistent concentration is paramount to prolonging the fluid sump life. Further tests for bacteria, fungus, pH and tramp oil contamination are available through our PROCARE Fluid Management Service and helps users to comply with current HSE legislative requirements. Please contact us for further details.

Availability & Storage

Pennine Metacut EP is available in 1000 litre IBC's, 205 litre barrels, 25 litre drums and 5 litre plastic bottles.

Barrels of lubricant should always be stored in such a way that will prevent the ingress of water when stored in the open. Protect from frost.

Health & Safety

Please refer to the relevant 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.

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