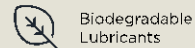


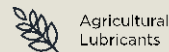
Industrial
Lubricants



Automotive
Lubricants



Biodegradable
Lubricants



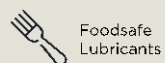
Agricultural
Lubricants



Cleaning &
Maintenance



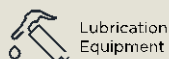
Greases &
Pastes



Foodsafe
Lubricants



Heritage Oils



Lubrication
Equipment



Metalworking
Fluids



Ultrasol X-929

Full Synthetic Boron & Formaldehyde Free Soluble Grinding Fluid
Product Code: AW8

Product Description

Pennine Ultrasol X products represent a range of boron and formaldehyde release biocide free new generation soluble metalworking fluids designed to comply with existing and pending REACH regulations offering the highest levels of health, safety and environmental compliance.

Pennine Ultrasol X-929 is a full synthetic boron and formaldehyde release biocide free grinding fluid which produces a transparent solution when mixed with water offering excellent workpiece visibility. The product is an oil free concentrated chemical grinding fluid with excellent wetting properties providing superior cooling and flushing characteristics and ensures that grinding wheels do not clog or glaze. Ultrasol X-929 is low odour, very low foaming, provides excellent anti corrosion properties and reduced sticky residues.

Applications

Pennine Ultrasol X-929 is recommended for surface grinding, cylindrical grinding, centreless grinding, and tool and cutter grinding on both ferrous and non-ferrous materials, including yellow metals and aluminium alloys.

Features & Benefits

- Transparent solution ~ Excellent workpiece visibility
- Highly biostable ~ Extended sump life / fewer fluid changes
- Excellent tramp oil rejection ~ Maintains fluid cleanliness
- Excellent corrosion protection ~ Protects machines & workpieces
- Boron & formaldehyde free ~ Excellent EHS profile

Typical Test Data

Characteristic / Test	Data
Appearance (concentrate)	Clear Liquid
Appearance (emulsion)	Transparent
Specific Gravity @ 15°C	1.08
pH @ 5%	9.7
IP 287 Breakpoint Corrosion	2.5%
IP 125 Herbert Corrosion Test	N/A
Dilution Range (min ~ max)	3 ~ 5 %
Refractometer Conversion Factor	2.5
Water Hardness Range ppm CaCO3 (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 Ultrasol X929 is available in 1000 litre IBC's, 205 litre barrels, and 25 litre drums.

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 and 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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