



Industrial  
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Lubrication  
Equipment



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Fluids



## Ultraquench PQ 133

Water Soluble Heat Treatment Fluid

Product Code: AWA

### Product Description

Pennine Ultraquench PQ 133 is a polymer based water soluble quenching fluid which has been developed to suit a variety of heat treatment applications. The dilution range can be varied to suit a range of cooling speeds, with lower concentrations offering cooling speeds similar to that of water and higher concentrations offering similar performance to mineral quenching oils. The product is non-flammable, non-hazardous in use and clean running, offering considerable advantages over oil based quenchants.

### Applications

Pennine Ultraquench PQ 133 is suitable for use on a variety of quenching operations. The actual dilution used is dependent upon the section thickness, configuration of the part and the physical properties required. The quality of the water used for mixing the product should be regularly tested for high levels of salts and in particular chlorides which may cause increased risk of corrosion.

### Recommended Dilution Rates

Induction Quenching: 3 ~ 9%

Alloy Steel Quenching: 9 ~ 25%

Special Alloys: 20 ~ 30%

Non-ferrous Alloys: 30 ~ 45%

### Typical Test Data

| Appearance (Concentrate) | Straw Coloured Fluid |
|--------------------------|----------------------|
| Odour                    | Bland                |
| Flash Point °C           | Not Measurable       |
| Specific Gravity         | 1.1                  |



Certificate Number: 9480  
ISO 9001



Pennine Lubricants Limited Company reg no. 3510091



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### Availability

Pennine Ultraquench PQ 133 is available in 1000 litre IBC's, 205 litre barrels, and 25 litre drums.

### Storage

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

### Health and Safety

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.



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