



Product Data

Castrol Techniclean CPL

Micro-emulsion process cleaner with metal protection

Description

Castrol Techniclean™ CPL is an innovative, versatile, semi-synthetic cleaning fluid. Unlike common emulsion cleaning fluids that are susceptible to bacteria and instability, Techniclean CPL maintains a stable emulsion to prolong bath life and ensure long-term performance.

Application

Techniclean CPL effectively removes soils such as emulsions and synthetic metalworking fluids, light and medium viscosity metalworking oils, swarf, dust and dirt, oily- and thin-film rust preventives, hydraulic and lubricating oils, and flux residues.

It is suitable for use in cleaning equipment such as spray and flood wash. Techniclean CPL is multi-metal compatible as it is safe to use on ferrous and non-ferrous alloys.

This product leaves a light oily film that provides in-process corrosion protection and lubrication for subsequent operations.

Conditions of Use

Concentration Range:	2 - 10%
Temperature Range (low pressure spray, flood wash):	ambient - 65°C
Temperature Range (high pressure spray):	50 - 65 °C
Spray Pressure:	8000 psi

Optimum conditions of use are depending on the detailed application requirements and the amount and nature of the soil being removed.

Maximum spray pressure is subject to available water quality. Please contact your local Castrol representative for further advice.

Advantages

- Stable emulsion to extend fluid life and to reduce additive purchases and system recharges
- Versatility – this product has the ability to clean, prevent in-process corrosion and provide lubrication
- This enables reduction of product purchases and consolidates inventory
- Protects parts from in-process corrosion to eliminate costly rework as a result of rust
- Leaves a light oily film that reduces the need for a lubricant in certain assembly operations
- Remains stable in hard water to reduce usage and ensure system cleanliness
- Performs well on a variety of metals in various cleaning systems to allow for inventory consolidation

Typical Characteristics

Description	Test Method	Unit	Value
Concentrate			
Appearance	CN-TM-007	-	Amber
Specific Gravity @ 15 °C	CN-TM-084	g/ml	0.975 - 0.995
Emulsion			
Appearance @ 5% in DI-water	Visual	-	Translucent fluid
pH-Value @ 5% in DI-water	CN-TM-069	-	9.0 - 9.4
Type of residual film	-	-	Ultra-thin, oily

User Advice

Make up an emulsion by adding the Techniclean CPL to agitated water (preferably heated).

Check concentration, pH and bath level regularly, especially if used hot.

To reduce the risk of stability and corrosion issues caused by increasing contamination of water hardness and corrosive salts (e.g. chloride) it is recommended to fill up evaporation losses with deionised water.

The protective film must be completely dried before packaging.

Please consult your Castrol Account Manager for further questions regarding metal compatibility.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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