

Castrol Flexiclean CPL

Micro emulsion process cleaner with metal protection

Description

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

Application

Flexiclean 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 also suitable for use in cleaning equipment such as spray and flood wash.

Flexiclean CPL is multi-metal compatible as it is safe to use on ferrous and non-ferrous alloys. (Consult your Castrol Account Manager for questions regarding compatibility.) 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 - 150 °F (65 °C)
Temperature Range (high pressure spray):	122 - 150 °F (50 - 65 °C)
Spray Pressure:	up to 600 bar

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

Advantages

- Inhibits bacterial growth to extend fluid life and 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

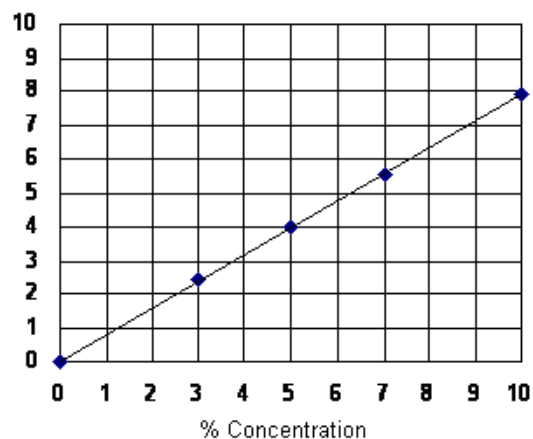
Typical Characteristics

	Test Method	Unit	Value
Appearance of Concentrate	Visual	-	Amber fluid
Appearance of Emulsion @ 10%	CN-TM-027	-	Translucent
pH of Emulsion @ 5% (DI)	CN-TM-069	-	9.3 – 9.7
Specific Gravity @ 60 °F (16 °C)	CN-TM-086	-	0.975-0.995
Bulk Density	-	lbs/gal	8.2
VOC	MVV-TM-122	lbs/gal	1.71

Concentration Control

This chart was prepared with dilutions of distilled water using an Atago Model N1A refractometer. The graph is a linear regression of actual readings from laboratory tests. It is important to realise that refractometer readings are dependent upon the type of refractometer and water used. Atago Model N1A refractometers are available through Castrol Industrial Americas.

% Concentration	Refractometer Reading
3	2.4
5	4
7	5.5
10	7.9



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