



Techniclean™ MP 1

Multi-Purpose process cleaner

Description

Castrol Techniclean™ MP 1 (previously called CareClean™ MP) is an aqueous, mildly alkaline industrial multi-purpose cleaner containing biodegradable surfactants and corrosion inhibitors.

Application

Techniclean MP 1 is a multi-purpose process cleaner for precision cleaning of most metals to the most demanding specifications in a wide range of modern equipment, which includes spray and intensive flood wash as well as all types of dip and ultrasonic applications.

It is also proven to clean silicon wafers used within the solar energy industry.

Techniclean MP 1 effectively removes soluble oils, light duty neat cutting or forming oils, lubrication oils, soft film corrosion preventives, swarf and general dirt.

Conditions of Use

	Spray	Flood Wash	Dip	Ultrasonic
Concentration Range:	2 - 5%	2 - 5%	3 - 6%	2 - 5%
Temperature Range:	60 - 80°C	60 - 80°C	40 - 80°C	40 - 70°C
Spray Pressure:	up to 3 bar (5 psi)	up to 12 bar (200 psi)	N/A	N/A

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

Advantages

- Leaves a temporary corrosion preventive film on the metal surface to help minimising the scrap rate which improves productivity.
- Emulsified oil separates on standing and can be skimmed off in order to increase bath-life which aids the reduction of maintenance and disposal cost.
- Biodegradable surfactant package to improve the environmental profile.
- Versatile, can be used in various applications on most metals and is suitable in hard and soft water which enables possible product consolidation.

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Clear, bright pale to amber liquid
Density @ 15°C	ASTM D1298	g/ml	1.09
pH of Concentrate	ASTM E70/97	-	9.3
pH, 2% in deionised water	ASTM E70/97	-	9.0
Cloud Point, 3% in deionised water	DIN EN 1890	°C	40
Cast Iron Corrosion Test, 3% dilution	IP 287	-	Pass

Subject to usual manufacturing tolerances.

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.

This product was previously called CareClean MP. The name was changed in 2015.

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