

Castrol Techniclean MP

Multi-purpose process cleaner for ferrous metals

Description

Castrol Techniclean™ MP is an aqueous, alkaline industrial multi-purpose cleaner containing biodegradable surfactants and corrosion inhibitors.

Application

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

Techniclean MP may be used on aluminium with caution: test a sample first to ensure no staining or corrosion, as temperature, concentration and exposure time are all important.

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

Conditions of Use

	Spray	Flood wash	Dip	Ultrasonic Dip
Concentration Range:	1 - 5%	1 - 5%	1 - 20%	1 - 20%
Temperature Range:	50 - 65°C	40 - 65°C	up to 40°C	up to 50°C
	122 - 150°F	104 - 150°F	up to 104°F	up to 122°F
Spray Pressure:	up to 3 bar	up to 12 bar	n/a	n/a
	up to 50 psi	up to 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 – minimises scrap rate which improves productivity
- Emulsified oil separates on standing and can be skimmed off in order to increase bath-life – reduces maintenance and disposal cost
- Biodegradable surfactant package – improves environmental profile
- Versatile, can be used in various applications and is suitable in hard and soft water – enables possible product consolidation

Typical Characteristics

	Test Method	Unit	Value
Appearance	Visual	-	Clear, amber liquid
Density @ 15°C	IP 160	kg/m ³	1160
Density @ 59°F	IP 160	lb/gal	9.7
pH of concentrate	BS 1647	-	10.8
pH (2% solution)	BS 1647	-	10.3
Cast Iron Corrosion Test	IP 287	%	5

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